

CITATION REPORT

List of articles citing

Effect of rubber particle size on deformation mechanisms in glassy epoxy

DOI: 10.1002/pen.760130105

Polymer Engineering and Science, 1973, 13, 29-34.

Source: <https://exaly.com/paper-pdf/11215083/citation-report.pdf>

Version: 2024-04-28

This report has been generated based on the citations recorded by exaly.com for the above article. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

#	Paper	IF	Citations
513	Tensile crazing and shear banding of styrene A: Temperature and rate effects. <i>Polymer Engineering and Science</i> , 1974 , 14, 282-287	2.3	6
512	The effect of sudden strain-rate change on the yield behavior of bisphenol-A polycarbonate. <i>Polymer Engineering and Science</i> , 1974 , 14, 691-695	2.3	12
511	Non-destructive testing of bonded joints. 1974 , 7, 324-326		10
510	Surface energy of breakdown of hardened epoxy resins. 1975 , 17, 1044-1052		6
509	Toughening of High-Temperature Resistant Epoxy Resins. 1976 , 7, 27-47		5
508	Effect of Temperature on the Adhesive Fracture Behavior of an Elastomer-Epoxy Resin. 1976 , 7, 333-346		145
507	FRACTURE DESIGN CRITERIA FOR STRUCTURAL ADHESIVE BONDING-PROMISE AND PROBLEMS. 1976 , 88, 73-86		9
506	Pyramidal yield criteria for epoxides. 1977 , 12, 28-34		37
505	Improving the crack resistance of bulk molding compounds and sheet molding compounds. <i>Polymer Engineering and Science</i> , 1978 , 18, 78-86	2.3	27
504	Relationship between structure and mechanical properties in rubber-toughened epoxy resins. 1978 , 10, 53-59		149
503	Thermoplastic fibre coatings enhance composite strength and toughness. 1978 , 11, 83-88		25
502	Correlation between nodular morphology and fracture properties of cured epoxy resins. 1979 , 20, 1095-1107		79
501	Simultaneous interpenetrating networks based on castor oil elastomers and polystyrene. IV. Stress-strain and impact loading behavior. <i>Polymer Engineering and Science</i> , 1979 , 19, 878-882	2.3	31
500	The effect of rubber latex particles on the mechanical properties of highly crosslinked epoxy polymers. 1979 , 21, 1456-1462		2
499	Micromechanisms of crack extension in composites. 1980 , 14, 351-362		38
498	The loading-rate dependent fracture property of a toughened epoxy polymer. 1980 , 2, 211-214		3
497	Micromechanisms of crack extension in polymers. 1980 , 14, 305-318		22

496	The Fracture Resistance of a Toughened Epoxy Adhesive. 1981 , 12, 59-77	224
495	Synthesis of IPNs and Related Materials. 1981 , 65-103	2
494	The fracture of an epoxy polymer containing elastomeric modifiers. 1981 , 16, 2657-2664	132
493	Addition polyimide adhesives containing ATBN and silicone elastomers. 1981 , 1, 249-255	18
492	Characterization of the phase structure of an amine cured rubber modified epoxy. 1981 , 22, 87-94	31
491	Viscoelastic Fracture of Structural Adhesives. 1981 , 13, 3-28	58
490	An Elasto-Plastic Investigation of the Peel Test. 1982 , 13, 241-267	70
489	Rubber-Modified Isocyanurate Oxazolidone Resins. 1982 , 14, 671-673	3
488	Morphology and toughness characterization of epoxy resins modified with amine and carboxyl terminated rubbers. 1982 , 23, 1897-1906	191
487	The science of adhesion. 1982 , 17, 617-651	134
486	New telechelic polymers and sequential copolymers by polyfunctional initiator-transfer agents (Inifers). 1982 , 8, 571-578	36
485	Synthesis and characterization of free radical cured Bis-methacryloxy bisphenol-A epoxy networks. 1983 , 4, 120-125	10
484	Deformation and fracture behaviour of a rubber-toughened epoxy: 1. Microstructure and fracture studies. 1983 , 24, 1341-1354	634
483	Deformation and fracture behaviour of a rubber-toughened epoxy: 2. Failure criteria. 1983 , 24, 1355-1363	277
482	Status of High Temperature Adhesives. 1984 , 447-466	6
481	Strength prediction of bonded single lap joints by non-linear finite element methods. 1984 , 4, 65-78	286
480	Hybrid particulate-filled epoxy-polymers. 1984 , 3, 9-12	69
479	Failure Behavior of Rubber-Toughened Epoxies in Bulk, Adhesive, and Composite Geometries. 1984 , 83-99	6

478	The fracture of hybrid-particulate composites. 1985 , 20, 4169-4184		165
477	Toughening of polyester resins by rubber modification. 1985 , 20, 182-192		40
476	Dynamic mechanical analysis of rubber toughened epoxy resins. <i>Polymer Engineering and Science</i> , 1985 , 25, 1148-1154	2.3	19
475	Phase structure and adhesion in polymer blends: A criterion for rubber toughening. 1985 , 26, 1855-1863		1140
474	Influence of the temperature of cure on the mechanical properties of ATBN/epoxy blends. 1985 , 26, 1110-1116		39
473	Craze plasticity in a series of polystyrene/polybutadiene di-block copolymers with spherical morphology. 1985 , 52, 581-603		25
472	Siloxane-modified epoxy resins. 1985 , 79-109		41
471	Morphology and mechanical properties of amine-terminated butadiene-acrylonitrile/epoxy blends. <i>Polymer Engineering and Science</i> , 1986 , 26, 63-73	2.3	86
470	The biaxial deformation and yield behavior of bisphenol-a polycarbonate: Effect of anisotropy. <i>Polymer Engineering and Science</i> , 1986 , 26, 920-930	2.3	31
469	The deformation of hybrid-particulate composites. 1986 , 21, 380-388		32
468	Rubber-epoxy materials exhibiting increased crack resistance. 1986 , 21, 645-649		
467	Glass Fabric Reinforced Bismaleimide Composites: Effect of Elastomer/ Reactive Diluent on Properties. 1986 , 20, 308-320		3
466	Room Temperature Curing Epoxy Adhesives for Elevated Temperature Service. 1987 , 22, 227-251		37
465	Rubber-toughened polyurethane network and composite materials. 1987 , 28, 356-367		9
464	Characterization of epoxy-bismaleimide network matrices. 1987 , 22, 3665-3671		61
463	Polymers from renewable sources: 5. Myrcene-based polyols as rubber-toughening agents in glassy polyurethanes. 1987 , 28, 368-374		19
462	Rubber-modified thermosets: Prediction of the particle size distribution of dispersed domains. 1987 , 28, 1156-1164		83
461	Failure mechanisms in toughened epoxy resins: A review. 1988 , 31, 179-223		355

460	Structure-Property Relationships in Thermoplastic Particulate- and Ceramic Whisker-Modified Epoxy Resins. 1989 , 8, 312-333		22
459	Effects of Loading Rate and Temperature on the Mechanical Properties of Structural Adhesives Containing a Carrier. 1989 , 31, 21-31		15
458	Toughening mechanisms in a multi-phase alloy of nylon 6,6/polyphenylene oxide. 1989 , 24, 1447-1457		101
457	Effects of the structure of the aromatic curing agent on the cure kinetics of epoxy networks. 1989 , 30, 2094-2103		78
456	Structure-property relationships in rubber-toughened epoxies. <i>Polymer Engineering and Science</i> , 1989 , 29, 1466-1476	2.3	67
455	Fatigue crack propagation of rubber-toughened epoxies. <i>Polymer Engineering and Science</i> , 1989 , 29, 1477-1487	2.3	40
454	Morphology and properties control on rubber-epoxy alloy systems. <i>Polymer Engineering and Science</i> , 1990 , 30, 493-510	2.3	52
453	Thermodynamically reversible and irreversible control on morphology of multiphase systems. 1990 , 25, 1568-1584		10
452	Effects of residual stresses on the failure micromechanisms in toughened epoxy systems. 1990 , 25, 2144-2148		16
451	Coated glass beads epoxy composites: influence of the interlayer thickness on pre-yielding and fracture properties. 1990 , 25, 1435-1443		21
450	Toughening of epoxy resins by modification with acrylic elastomers containing pendant epoxy groups. 1990 , 26, 145-151		27
449	Review of the microscopic and macroscopic aspects of fracture of unmodified and modified epoxy resins. 1990 , 125, 157-184		54
448	Toughening mechanisms in core-shell rubber modified polycarbonate. 1990 , 31, 2267-2277		176
447	Particulate and Whisker Modifications of Matrix Resin for Improved Toughness of Fibrous Composites. 1990 , 9, 314-334		17
446	The Wear of Polysiloxane-Modified Epoxies. 1990 , 33, 499-504		3
445	Polymeric matrices for high-strength reinforced composites. Review. 1990 , 32, 1275-1311		1
444	Toughness of epoxies modified by preformed acrylic rubber particles. 1991 , 41, 179-194		16
443	Effect of particle size on fracture toughness of epoxy resin filled with angular-shaped silica. 1991 , 32, 2221-2229		81

442	Mechanical and viscoelastic properties of epoxy networks cured with aromatic diamines. 1991 , 32, 1885-1891	71
441	Effect of cross-linking density on the toughening mechanisms of rubber-modified thermosets. 1991 , 26, 6581-6590	8
440	Three-parameter yield criterion for a brittle polyester resin. 1991 , 26, 3985-3990	7
439	Study of rubber-modified brittle epoxy systems. Part II: Toughening mechanisms under mode-I fracture. <i>Polymer Engineering and Science</i> , 1991 , 31, 275-288	2-3 89
438	Morphology and mechanical properties of rubber modified aromatic-ether bismaleimide matrix resins. <i>Polymer Engineering and Science</i> , 1991 , 31, 563-566	2-3 3
437	Effect of rubber/matrix interfacial modifications on the properties of a rubber-toughened epoxy resin. <i>Polymer Engineering and Science</i> , 1991 , 31, 577-585	2-3 37
436	Toughening mechanism for a rubber-toughened epoxy resin with rubber/matrix interfacial modification. 1991 , 26, 5848-5858	39
435	Influence of particle size and particle size distribution on toughening mechanisms in rubber-modified epoxies. 1991 , 26, 3828-3844	435
434	Compositional influence on toughness of structural acrylic adhesives. 1991 , 26, 434-440	3
433	The Effect of Modification of an Epoxy Resin Adhesive with ATBN on Peel Strength. 1992 , 37, 15-31	10
432	Modelling of the toughening mechanisms in rubber-modified epoxy polymers. 1992 , 27, 2763-2769	167
431	Craze-like damage in a core-shell rubber-modified epoxy system. 1992 , 27, 3098-3107	104
430	Fracture resistance of a glass-fibre reinforced rubber-modified thermoplastic hybrid composite. 1992 , 27, 1085-1100	29
429	The effects of a cure accelerator on the fracture toughness and morphology of a rubber-modified bismaleimide. 1992 , 11, 1443-1445	5
428	Phase separation of polysulphide polymers in epoxy adhesives. 1992 , 12, 171-177	9
427	Structural and materials properties of a polysulphide-modified epoxide resin. 1992 , 33, 1860-1871	47
426	Fracture mechanism of toughened epoxy resin with bimodal rubber-particle size distribution. 1992 , 27, 111-121	58
425	Formulation, curing, morphology and impact behaviour of epoxy matrices modified with saturated rubbers. 1992 , 27, 786-792	17

424	Rubber-modified epoxy resins cured with piperidine. 1992 , 28, 1135-1139	2
423	Real time dielectric investigations of phase separation and cure in rubber modified epoxy resin systems. 1992 , 28, 505-512	24
422	Phase separation in anhydride-cured epoxy resin containing phenolphthalein poly(ether ether ketone). 1992 , 28, 405-409	23
421	Analysis of fatigue crack growth in a rubber-toughened epoxy resin: effect of temperature and stress ratio. 1993 , 34, 4221-4229	7
420	Single-phase and multiple-phase thermoplastic/thermoset polyblends: 1. Kinetics and mechanisms of phenoxy/epoxy blends. 1993 , 34, 4291-4299	30
419	Phase behaviour in epoxy resin containing phenolphthalein poly(ether ether sulphone). 1993 , 34, 70-76	12
418	A coupled elastic-plastic damage model for rubber-modified epoxy adhesives. 1993 , 30, 2693-2708	28
417	Study of fracture mechanisms of multiphase polymers using the double-notch four-point-bending method. 1993 , 28, 2975-2980	54
416	Thermo-stimulated creep study of the retardation mode in epoxy-glass beads composites. 1993 , 14, 238-246	11
415	Deformation and fracture of glass bead/ CTBN-rubber/epoxy composites. <i>Polymer Engineering and Science</i> , 1993 , 33, 100-107	2,3 32
414	Synthesis and curing behaviour of urethane-modified epoxy resin having hydroxymethyl group. 1993 , 31, 25-34	6
413	Rubber-modified epoxies. II. A reaction-induced phase separation observed in-situ and a posteriori with different methods. 1993 , 32, 369-379	28
412	Toughening mechanisms in thermoplastic-modified epoxies: 1. Modification using poly(phenylene oxide). 1993 , 34, 3658-3670	292
411	Dielectric and thermally stimulated discharge current studies of rubber-modified epoxy resins. 1993 , 32, 261-274	7
410	Amorphous Bisphenol A Based Poly(Arylene Ether) Modified Cyanate Ester Networks. 1993 , 5, 259-274	29
409	Elastomers Formed In-Situ in Epoxy Resins: Chemistry and Toughening. 1993 , 41, 189-202	5
408	Additives and modifiers for epoxy resins. 1993 , 117-143	12
407	Toughened polymers. 1993 , 163-194	3

406	Adhesive and Mechanical Properties of Reactive Polysulfone Modified Epoxy Resins. 1994 , 45, 191-203		15
405	Toughening studies on an ABS/PC blend-modified epoxy resin system. 1994 , 6, 241-248		9
404	A liquid elastomer for epoxy resin toughening. 1994 , 6, 63-70		5
403	Rubber toughening mechanisms in polymeric materials. 1994 , 29-56		25
402	Rubber modified epoxy resins. 1994 , 165-209		10
401	Toughening composites by fiber coating: a review. 1994 , 2, 199-234		54
400	Dispersed acrylate rubber-modified epoxy resins for electronic encapsulation. 1994 , 1, 103-108		5
399	Toughening of epoxy networks using pre-formed core-shell particles or reactive rubbers. 1994 , 33, 67-74		47
398	Toughening mechanisms of modified unsaturated polyester with novel liquid Polyurethane rubber. 1994 , 29, 1854-1866		16
397	Chemorheology of epoxy resin. 1994 , 29, 887-893		7
396	Rubber modified epoxy resin. I: Cure kinetics and chemorheology. <i>Polymer Engineering and Science</i> , 1994 , 34, 625-631	2.3	29
395	Rubber modified epoxy resin. II: Phase separation behavior. <i>Polymer Engineering and Science</i> , 1994 , 34, 1598-1604	2.3	30
394	Phase-inversion investigations of rubber-modified epoxies by electron microscopy and X-ray diffraction. 1994 , 29, 1198-1202		7
393	Fracture behaviour of a rubber-modified tough epoxy system. 1994 , 13, 1330-1333		15
392	Epoxy resin/poly(ethyl acrylate)Interpenetrating polymer networks: engineering properties and morphology. 1994 , 30, 1269-1276		13
391	Epoxidized hydroxy-terminated polybutadiene Synthesis, characterization and toughening studies. 1994 , 14, 57-61		36
390	Toughening behaviour of rubber-modified thermoplastic polymers involving very small rubber particles: 1. A criterion for internal rubber cavitation. 1994 , 35, 4743-4749		158
389	Low temperature curing epoxies for structural repair. 1994 , 19, 439-467		23

388	Properties of Rubber-Modified Polypropylene Impact Blends. 1994 , 26, 183-204		7
387	Reactions of Defined Oxidized Carbon Fiber Surfaces with Model Compounds and Polyurethane Elastomers. 1995 , 385, 195		1
386	Oligomeric and polymeric modifiers for toughening of epoxy resins. 1995 , 31, 1021-1029		96
385	A real-time study of the phase-separation process during polymerization of rubber-modified epoxy. 1995 , 36, 55-65		36
384	Morphology and properties of acrylate styrene acrylonitrile/polybutylene terephthalate blends. 1995 , 30, 573-582		33
383	Effect of matrix ductility on the fracture behavior of rubber toughened epoxy resins. <i>Polymer Engineering and Science</i> , 1995 , 35, 778-785	2.3	24
382	Cure behavior and properties of an epoxy resin modified with a bismaleimide resin. <i>Polymer Engineering and Science</i> , 1995 , 35, 1353-1358	2.3	40
381	The effect of the viscosity of epoxy prepolymer on the generated morphology in rubber-toughened epoxy resin. 1995 , 36, 2189-2195		19
380	Effect of curing agent on the phase behaviour of epoxy resin/phenoxy blends. 1995 , 36, 4753-4760		39
379	Mode-I Fracture Behaviour of Adhesive Joints. Part I. Relationship Between Fracture Energy and Bond Thickness. 1995 , 53, 149-162		49
378	Deformation and fracture of particulate epoxy in adhesive bonds. 1995 , 43, 163-172		12
377	Toughened Multiphase Plastics. 1995 , 421-471		0
376	Shear Yielding. 1995 , 107-146		3
375	Polymeric matrices in fibre-reinforced composite materials. 1995 , 1-91		1
374	Mechanical and morphological investigations of reactive polysulfone toughened epoxy networks. 1995 , 98, 673-686		28
373	Role of particle cavitation in rubber-toughened epoxies: 1. Microvoid toughening. 1996 , 37, 4529-4538		199
372	Fatigue and fracture behaviour of novel rubber modified epoxy resins. 1996 , 37, 565-572		43
371	Effect of resin modification on friction and wear of glass phenolic composites. 1996 , 193, 193-198		13

370	Fracture behavior of polypropylene/ ethylene- diene-terpolymer blends : Effect of temperatures, notch radius and rubber content. 1996 , 3, 73-82	10
369	Polycarbonate-modified epoxies. I. Studies on the reactions of epoxy resin/polycarbonate blends prior to cure. 1996 , 34, 2103-2116	19
368	Highly attenuative rubber modified epoxy for ultrasonic transducer backing applications. 1996 , 34, 669-675	28
367	Prediction of matrix-initiated transverse failure in polymer composites. 1996 , 56, 1089-1097	144
366	Rubber toughening of practical tetraglycidyl methylenedianiline-piperidine adduct systems. 1996 , 37, 1137-1150	15
365	Phase-separation studies of heat-cured ATU-flexibilized epoxies. 1996 , 37, 75-84	10
364	A criterion for crack initiation in glassy polymers subjected to a composite-like stress state. 1996 , 56, 1291-1301	125
363	Miscibility, morphology and fracture toughness of epoxy resin/poly(vinyl acetate) blends. 1996 , 274, 410-417	36
362	Miscibility, morphology and fracture toughness of epoxy resin/poly(styrene-co-acrylonitrile) blends. 1996 , 37, 4667-4673	80
361	Chemically induced phase separation: a new technique for the synthesis of macroporous epoxy networks. 1996 , 37, 5715-5725	57
360	Morphology and properties of ASA/PET blends. 1996 , 31, 1425-1430	15
359	Multi-phase toughened epoxy with poly(ether sulphone) and carboxyl-terminated butadiene-acrylonitrile rubber. 1996 , 31, 3523-3533	11
358	Effects of particle size and rubber content on fracture toughness in rubber-modified epoxies. <i>Polymer Engineering and Science</i> , 1996 , 36, 755-768	2.3 62
357	The use of recycled printed circuit boards as reinforcing fillers in the polyester composite. 1996 , 31, 1345-1359	4
356	Flexibility Improvement of Epoxy Resin by Using ϵ -Butyrolactone. 1997 , 36, 473-488	5
355	Reaction-induced phase separation in modified thermosetting polymers. 1997 , 95-156	293
354	The role of dispersed phase morphology on toughening of epoxies. 1997 , 38, 21-30	58
353	The role of cavitation and debonding in the toughening of core-shell rubber modified epoxy systems. 1997 , 32, 3055-3059	21

352	Deformation and yield of epoxy networks in constrained states of stress. 1997 , 32, 5637-5643		32
351	A biaxial thermomechanical disk test for glassy polymers. 1997 , 37, 96-101		7
350	Miscibility and mechanical properties of epoxy resin/polysulfone blends. 1997 , 38, 5565-5571		99
349	Toughened blend of polycarbonate and epoxidized ethylene propylene diene rubber. 1997 , 38, 6251-6253		13
348	Polysiloxane modified epoxy polymer networks□ Graft interpenetrating polymeric networks. 1997 , 33, 903-906		58
347	Effect of the addition of aramid-silicone block copolymer on phase structure and toughness of cured epoxy resins modified with silicone. 1998 , 39, 725-731		36
346	Phase behaviour and mechanical properties of epoxy resin containing phenolphthalein poly(ether ether ketone). 1998 , 39, 1075-1080		54
345	1,3-bis(βaminopropyl)tetramethyldisiloxane modified epoxy resins: curing and characterization. 1998 , 39, 1691-1695		24
344	Amorphous phenolphthalein-based poly(arylene ether) modified cyanate ester networks: 1. Effect of molecular weight and backbone chemistry on morphology and toughenability. 1998 , 39, 2415-2427		38
343	Micromechanical deformation processes in toughened and particle-filled semicrystalline polymers: Part 1. Characterization of deformation processes in dependence on phase morphology. 1998 , 39, 5689-5697		195
342	Polysiloxane modified epoxy networks (III) strain-induced crystallization of jointed interpenetrating polymer networks in fracture mode. 1998 , 39, 7033-7039		12
341	Preparation of Impact Modified Epoxy Resin by Using Poly(Butyl Acrylate)/Poly(Glycidyl Methacrylate) Core-Shell Composite Particles. 1998 , 35, 249-260		2
340	Macroporous Thermosets by Chemically Induced Phase Separation. 1999 , 161-247		25
339	Yield behavior and energy absorbing characteristics of rubber-modified epoxies subjected to biaxial stress states. 1999 , 20, 250-259		16
338	Toughening mechanisms in rubber-modified glass fiber/unsaturated polyester composites. 1999 , 20, 705-712		11
337	Numerical analysis of notch-tip fields in rubber-modified epoxies. <i>Polymer Engineering and Science</i> , 1999 , 39, 662-675	2,3	6
336	Characterization of liquid carboxy terminated copolymer of butadiene acrylonitrile modified epoxy resin. <i>Polymer Engineering and Science</i> , 1999 , 39, 1425-1432	2,3	35
335	Phase separation influence on the performance of CTBN-toughened epoxy adhesives. <i>Polymer Engineering and Science</i> , 1999 , 39, 1837-1848	2,3	24

334	Phase structure and toughness of silicone-modified epoxy resin with added silicone graft copolymer. 1999 , 40, 1305-1312	55
333	The influence of elastomer concentration on toughness in dispersions containing preformed acrylic elastomeric particles in an epoxy matrix. 1999 , 40, 1923-1933	45
332	Preparation of thermoset rubbery epoxy particles as novel toughening modifiers for glassy epoxy resins. 1999 , 40, 5601-5607	55
331	The intrinsic toughness and adhesion mechanisms of a glass/epoxy interface. 1999 , 47, 223-258	80
330	Poly(methyl methacrylate) toughening with refractive index-controlled core-shell composite particles. 1999 , 71, 1607-1614	13
329	Blends of epoxy resin with amine-terminated polyoxypropylene elastomer: Morphology and properties. 1999 , 72, 427-434	36
328	Toughened interpenetrating polymer network materials based on unsaturated polyester and epoxy. 1999 , 72, 585-592	90
327	Mechanical behavior and structure of rubber modified vinyl ester resins. 1999 , 72, 647-657	21
326	Epoxy networks toughened by core-shell particles: Influence of the particle structure and size on the rheological and mechanical properties. 1999 , 72, 849-858	50
325	Compatibilization and elastomer toughening of polyamide-6 (PA6)/poly(phenylene ether) (PPE) blends. 1999 , 74, 23-32	22
324	Synthesis and characterization of polyamideimide-branched siloxane and its gas-separation. 1999 , 74, 965-973	24
323	Thermal and mechanical properties of epoxidized natural rubber modified epoxy matrices. 1999 , 48, 889-895	17
322	Characterization of glass-epoxy adhesion using JKR methods and atomic force microscopy. 1999 , 30, 95-109	10
321	Biaxial stretching of pet films: A molecular description. 1999 , 147, 209-220	6
320	Deformation behavior and mechanical properties of hard elastic and porous films of polyethylene. 1999 , 147, 91-101	16
319	Modification of Unsaturated Polyester Resin Using Elastomers. 2000 , 32, 60-72	8
318	Electrostatic dissipation and flexibility of poly(oxyalkylene)amine segmented epoxy derivatives. 2000 , 49, 387-394	8
317	Cure behavior, morphology, and mechanical properties of the melt blends of epoxy with polyphenylene oxide. 2000 , 75, 26-34	56

316	Toughening of trifunctional epoxy system. V. Structure-property relationships of neat resin. 2000 , 77, 237-248		31
315	Miscibility and morphologies of poly(arylene ether phenyl phosphine oxide/sulfone) copolymer/vinyl ester resin mixtures and their cured networks. 2000 , 38, 2409-2421		18
314	Effect of the addition of aramid-silicone block copolymer on the phase structure and toughness of cured epoxy resins modified with RTV silicone. 2000 , 41, 195-201		32
313	Morphology and fracture toughness of poly(ether sulfone)-blended polycyanurates. 2000 , 41, 4513-4521		28
312	CTBN rubber phase precipitation in model epoxy resins. 2000 , 41, 4625-4633		143
311	Rate-effect on fracture behavior of core-shell-rubber (CSR)-modified epoxies. <i>Polymer Engineering and Science</i> , 2000 , 40, 70-81	2.3	28
310	Cure kinetics and properties of epoxy/dicyanate blends. <i>Polymer Engineering and Science</i> , 2000 , 40, 1429-1434	2.3	11
309	Effects of rubber-rich domains and the rubber-plasticized matrix on the fracture behavior of liquid rubber-modified araldite-F epoxies. <i>Polymer Engineering and Science</i> , 2000 , 40, 2288-2298	2.3	17
308	Toughened carbon/epoxy composites made by using core/shell particles. 2001 , 61, 41-56		88
307	Mechanical characterization and morphology of carboxyl randomized poly(2-ethyl hexyl acrylate) liquid rubber toughened epoxy resins. 2001 , 42, 7739-7747		56
306	Thermal and mechanical characterization of epoxy resins toughened using preformed particles. 2001 , 50, 849-857		21
305	Micellar structure and mechanical properties of block copolymer-modified epoxies. 2001 , 39, 2996-3010		168
304	Effects of rubber content and temperature on unstable fracture behavior in ABS materials with different particle sizes. 2001 , 79, 9-20		24
303	Miscibility and mechanical properties of tetrafunctional epoxy resin/phenolphthalein poly(ether ether ketone) blends. 2001 , 79, 598-607		51
302	Mechanical properties and morphology of epoxidized soyabean-oil-modified epoxy resin. 2001 , 50, 179-184		86
301	Curing and toughening of a styrene-modified epoxy resin. 2001 , 80, 1504-1513		8
300	Acrylate-based liquid rubber as impact modifier for epoxy resin. 2001 , 80, 1792-1801		57
299	Characterization of Rubber Epoxy Blends by Thermal Analysis. 2001 , 64, 521-527		22

298	Studies on the properties of epoxy resins modified with chain-extended ureas. 2001 , 42, 9641-9647	56
297	Evaluation of a Yield Criteria and Energy Absorbing Mechanisms of Rubber Modified Epoxies in Multiaxial Stress States. 2001 , 193-200	
296	Synthesis and Characterization of 1, 3-Bis(Maleimido) Benzene-Modified and 1, 6-Bis(Maleimido) Hexane-Modified Epoxy-Novolac Interpenetrating Networks. 2002 , 14, 363-382	4
295	Strain rate dependence of fracture in a rubber-toughened epoxy system. 2002 , 78, 723-739	20
294	Development of new low stress epoxies for MEMS device encapsulation. 2002 , 25, 278-282	6
293	Synthesis and Characterization of an Epoxy Ended Poly(Ether Sulphone)/Poly(Ether Ether Sulphone) Copolymer. 2002 , 22,	2
292	Hydroxy-terminated polybutadiene toughened epoxy resin: Chemical modification, microstructure, and impact strength. 2002 , 21, 25-32	15
291	Enhanced fracture toughness of epoxy resins with novel amine-terminated poly(arylene ether sulfone)-carboxylic-terminated butadiene-acrylonitrile-poly(arylene ether sulfone) triblock copolymers. 2002 , 84, 1556-1565	6
290	Polysiloxane modified epoxy networks. IV. Catalytic effect on fracture behaviors of jointed interpenetrating polymer networks. 2002 , 84, 2352-2357	4
289	Studies on isotactic poly(phenyl glycidyl ether)-modified epoxy resins. II. Toughening of epoxy resins. 2002 , 84, 1223-1232	9
288	Moisture absorption behavior of rubber-modified epoxy resins. 2002 , 86, 3718-3724	12
287	Study of ionic polymer toughening epoxy resin. 2002 , 86, 3740-3751	6
286	Morphology and rheology relationships of epoxy/core-shell particle blends. <i>Polymer Engineering and Science</i> , 2002 , 42, 120-133	2.3 22
285	Microscopic damage and macroscopic yield in acrylonitrile-Butadiene-Styrene (ABS) resins tested under multi-axial stress states. 2002 , 43, 3743-3752	20
284	Failure analysis of rubber toughened epoxy resin. 2003 , 87, 861-868	35
283	Toughening of trifunctional epoxy using an epoxy-functionalized hyperbranched polymer. 2003 , 89, 2339-2345	102
282	Epoxy resin containing the poly(sily ether): Preparation, morphology, and mechanical properties. 2003 , 89, 505-512	4
281	Toughening of polypropylene with calcium carbonate particles. 2003 , 44, 261-275	557

280	Synthesis and properties of epoxy resin modified with epoxy-terminated liquid polybutadiene. 2003 , 44, 5811-5819	111
279	Generic crack patterns in rubber-modified polymers under biaxial stress states. 2003 , 41, 2248-2256	2
278	Mechanical properties of block copolymer vesicle and micelle modified epoxies. 2003 , 41, 2444-2456	188
277	Structure-property relationships as a tool for the formulation of high-performance epoxy-amine networks. 2003 , 52, 507-513	12
276	Toughenability of polymers. 2003 , 44, 6013-6032	230
275	Shock-resistant ambient temperature curing epoxy adhesive. 2003 , 17, 623-632	14
274	Blends of Unsaturated Polyester Resin with Functional Elastomers. 2003 , 35, 367-380	21
273	Predictive Modeling of Toughening Micromechanisms in Glass Particle Resin Composites with Varied Interphases. 2003 , 22, 785-811	5
272	Chain-extended epoxy-functionalised poly-(2-ethylhexylacrylate) as impact and adhesive modifier for epoxy resin. 2003 , 32, 319-325	4
271	Cure and Rubber Toughening of Vinyl Ester Resins. 2003 ,	
270	Modification of Isophthalic Unsaturated Polyester Resin using Elastomers Bearing Reactive Functional Groups. 2004 , 20, 247-266	4
269	Epoxy Resin Modified with Epoxidized Soybean Rubber. 2004 , 19, 459-474	4
268	Rubber toughened epoxy. 2004 , 12, 11-21	164
267	Molecular parameters governing the yield response of epoxy-based glassy networks. 2004 , 42, 2050-2056	17
266	Influence of carboxyl-terminated (butadiene-co-acrylonitrile) loading on the mechanical and thermal properties of cured epoxy blends. 2004 , 42, 2531-2544	87
265	Morphology and dielectric properties of an epoxy network modified by end-functionalized liquid polybutadiene. 2004 , 42, 4053-4062	16
264	Effects of maleated styrene(ethylene-co-butene)styrene on compatibilization and properties of nylon-12,12/nylon-6 blends. 2004 , 93, 1446-1453	8
263	Block copolymers of unsaturated polyesters and functional elastomers. 2004 , 94, 1956-1964	11

262	Thermosetting Blends of Polybenzoxazine and Poly(E-caprolactone): Phase Behavior and Intermolecular Specific Interactions. 2004 , 205, 1547-1558		64
261	The curing behaviors of the epoxy/dicyanamide system modified with epoxidized natural rubber. 2004 , 417, 99-106		35
260	Thermosets. 2004 ,		2
259	Yield Behavior and Stress Analysis of Rubber-modified Epoxy Adhesives. <i>Journal of the Adhesion Society of Japan</i> , 2004 , 40, 21-30		0.1
258	Fracture of Glassy Polymers Within Sliding Contacts. 153-193		3
257	The influence of cure conditions on the morphology and phase distribution in a rubber-modified epoxy resin using scanning electron microscopy and atomic force microscopy. 2005 , 46, 785-798		56
256	Toughness of syndiotactic polystyrene/epoxy polymer blends: microstructure and toughening mechanisms. 2005 , 46, 7352-7369		103
255	Epoxy-silica particulate nanocomposites: Chemical interactions, reinforcement and fracture toughness. 2005 , 46, 10506-10516		258
254	Hybrid composites of epoxy resin modified with carboxyl terminated butadiene acrylonitrile copolymer and fly ash microspheres. <i>Polymer Testing</i> , 2005 , 24, 219-226	4.5	33
253	Modification of epoxy resin: a comparison of different types of elastomer. <i>Polymer Testing</i> , 2005 , 24, 387-394	4.5	138
252	Interface and properties of epoxy resin modified by elastomeric nano-particles. 2005 , 48, 148		14
251	Synthesis and evaluation of liquid amine-terminated polybutadiene rubber and its role in epoxy toughening. 2005 , 96, 2446-2453		47
250	Silane functionalization of perfluoroether oligomers for reaction management and morphology control of two-phase epoxy networks. 2005 , 98, 1036-1049		1
249	The Curing Behavior and Adhesion Strength of the Epoxidized Natural Rubber Modified Epoxy/Dicyandiamide System. 2005 , 12, 295-303		16
248	Siloxane- and Imide-modified Epoxy Resin Cured with Siloxane-containing Dianhydride. 2005 , 12, 385-391		16
247	Effects of nano- and micro-fillers and processing parameters on injection-molded microcellular composites. <i>Polymer Engineering and Science</i> , 2005 , 45, 773-788	2.3	62
246	Synthesis, properties and pyrolysis of siloxane- and imide-modified epoxy resin cured with siloxane-containing dianhydride. 2005 , 54, 1416-1421		18
245	Elastomer Toughening of Isophthalic Polyester Resin. 2005 , 44, 391-405		5

244	Epoxy Resins. 2005 , 139-240	8
243	Toughening of epoxy resins. 2006 , 9, 129-152	153
242	Cure kinetics of a cyanate ester blended with poly(phenylene oxide). 2006 , 55, 1296-1303	16
241	Characterization of the fracture behavior of epoxy reinforced with nanometer and micrometer sized aluminum particles. 2006 , 66, 2296-2305	112
240	Toughening of thermosets by the creation of residual compressive stresses. 2006 , 100, 4045-4051	7
239	Cure reaction and phase separation behavior of cyanate ester-cured epoxy/polyphenylene oxide blends. 2006 , 102, 1139-1145	20
238	The Failure Behavior of an Epoxy Resin Subject to Multiaxial Loading. 2006 , 1	1
237	Modification of Epoxy Resin Using Liquid Natural Rubber. 2006 , 517, 272-274	11
236	Thermosets Toughening by Creation of Residual Compressive Stresses. 2006 , 312, 3-8	
235	Modification of unsaturated polyesters using polyethylene glycol. 2007 , 36, 128-133	5
234	Morphologies and Properties of Cured Epoxy/Brominated- phenoxy Blends as Adhesives for Flexible Printed Circuits (FPCs). <i>Journal of the Adhesion Society of Japan</i> , 2007 , 43, 387-397	0.1
233	Mechanical Properties of Bismaleimides Modified Polysulfone Epoxy Matrices. 2007 , 56, 911-927	22
232	Mechanical properties of epoxy networks based on DGEBA and aliphatic amines. 2007 , 106, 2047-2055	114
231	Properties and behavior of CTBN-modified epoxy with IPN structure. 2007 , 106, 1576-1584	26
230	Synthesis, phase behaviors, and mechanical properties of biphenyl-type epoxy resins and composites. 2007 , 106, 2917-2924	19
229	Morphologies and properties of cured epoxy/brominated-phenoxy blends. 2007 , 104, 1702-1713	8
228	Fracture surface morphology in thermosets modified with hollow microspheres. 2007 , 105, 3287-3294	5
227	Fracture properties of epoxy/poly(styrene-co-allyl alcohol) blends. 2007 , 106, 3227-3236	9

226	Toughening of polyvinylchloride by core-shell rubber particles: Influence of the internal structure of core-shell particles. 2007 , 43, 3060-3067		30
225	Effect of carboxyl-terminated poly(butadiene-co-acrylonitrile) (CTBN) concentration on thermal and mechanical properties of binary blends of diglycidyl ether of bisphenol-A (DGEBA) epoxy resin. 2007 , 443, 262-269		156
224	Toughening mechanisms of nanoparticle-modified epoxy polymers. 2007 , 48, 530-541		690
223	Morphology and thermomechanical properties of nanostructured thermosetting blends of epoxy resin and poly(ϵ -caprolactone)-block-polydimethylsiloxane-block-poly(ϵ -caprolactone) triblock copolymer. 2007 , 48, 6134-6144		69
222	Reactive acrylic liquid rubber with terminal and pendant carboxyl groups as a modifier for epoxy resin. <i>Polymer Engineering and Science</i> , 2007 , 47, 26-33	2.3	22
221	Correlating yield response with molecular architecture in polymer glasses. 2007 , 42, 5229-5238		13
220	Studies on the blends of modified epoxy resin and carboxyl-terminated polybutadiene (CTPB): thermal and mechanical characteristics. 2007 , 42, 3215-3222		14
219	Thermoplastic vulcanizates obtained by reaction-induced phase separation: Interplay between phase separation dynamics, final morphology and mechanical properties. 2008 , 49, 2288-2297		23
218	Poly(hydroxyether of bisphenol A)-block-polydimethylsiloxane alternating block copolymer and its nanostructured blends with epoxy resin. 2008 , 49, 3318-3326		85
217	Highly dispersed nanosilica-epoxy resins with enhanced mechanical properties. 2008 , 49, 3805-3815		248
216	Role of core-shell rubber particle cavitation resistance on toughenability of epoxy resins. <i>Polymer Engineering and Science</i> , 2008 , 48, 1376-1380	2.3	28
215	Biaxial yielding of polypropylene/elastomeric polyolefin blends: Effect of elastomer content and thermal annealing. <i>Polymer Engineering and Science</i> , 2008 , 48, 1414-1423	2.3	22
214	The influence of reactive compatibilization on uniaxial large strain deformation and fracture behavior of polyamide 6 and poly(ethylene-co-butyl acrylate) blends. <i>Polymer Testing</i> , 2008 , 27, 752-764 ^{4.5}		17
213	Nanoscale and effective mechanical behavior and fracture of silica nanocomposites. 2008 , 68, 3137-3144		53
212	Nanocavitation in Self-Assembled Amphiphilic Block Copolymer-Modified Epoxy. 2008 , 41, 7616-7624		167
211	Modification of (DGEBA) epoxy resin with maleated depolymerised natural rubber. 2008 , 2, 302-311		30
210	Modification of the Dynamic Damping Behavior of Unsaturated Polyester Resin. 2008 , 27, 1525-1532		4
209	Recent Development of Planar Cruciform Experiment on Biaxial Tensile Deformation and Failure of Unidirectional Glass/Epoxy Composite. 2008 , 42, 1359-1379		7

208	The Miscibility of Novel Bisphenol-Propylene Epoxy Resin With Liquid NBR. 2008 , 22, 1181-1196	2
207	Cure kinetics of ternary blends of epoxy resins studied by nonisothermal DSC data. 2009 , 112, 3119-3126	34
206	Studies on synthesis of modified epoxidized novolac resin from renewable resource material for application in surface coating. 2009 , 114, 1471-1484	26
205	Studies on blends of cycloaliphatic epoxy resin with varying concentrations of carboxyl terminated butadiene acrylonitrile copolymer I: Thermal and morphological properties. 2009 , 32, 199-204	13
204	Anomalous fracture behavior in an epoxy-based hybrid composite. 2009 , 515, 49-58	37
203	UV- and thermal-curing behaviors of dual-curable adhesives based on epoxy acrylate oligomers. 2009 , 29, 710-717	138
202	Effect of crosslink density on fracture behavior of model epoxies containing block copolymer nanoparticles. 2009 , 50, 4683-4689	85
201	Toughness improvement in epoxy/anhydride formulations for electrical insulation. 2009 ,	3
200	Rubber-Toughened Epoxies: A Critical Review. 2009 , 49, 201-225	254
199	Nanostructured Epoxies by the Use of Block Copolymers. 2010 , 79-108	16
198	Influence of phenoxy modifier on mechanical, electrical and morphological properties of epoxy/DDS system. 2010 , 14, 38-52	3
197	Mechanical properties of epoxy reinforced with homogeneously dispersed carbon nanofibre. 2010 , 14, 224	4
196	Fatigue and fracture toughness of epoxy nanocomposites. 2010 , 62, 50-57	36
195	The toughness of epoxy polymers and fibre composites modified with rubber microparticles and silica nanoparticles. 2010 , 45, 1193-1210	278
194	Epoxy resin/liquid natural rubber system: secondary phase separation and its impact on mechanical properties. 2010 , 45, 1769-1781	58
193	Mechanical behavior of carbon nanofibre-reinforced epoxy composites. 2010 , 118, n/a-n/a	3
192	The mechanisms and mechanics of the toughening of epoxy polymers modified with silica nanoparticles. 2010 , 51, 6284-6294	335
191	Hydrogen bonding interactions, crystallization, and surface hydrophobicity in nanostructured epoxy/block copolymer blends. 2010 , 48, 790-800	43

190	Influence of Nanoclay on the Morphology, Adhesive and Mechanical Properties of Polysulfide Modified Epoxy Resin. 2010 , 18, 123-131	6
189	Advances in epoxy adhesives. 2010 , 20-34	3
188	Novel high performances epoxy/anhydride formulations and their application in electrical insulation. 2011 ,	0
187	Effect of carbon nanofiber dispersion on the tensile properties of epoxy nanocomposites. 2011 , 45, 2247-2256	27
186	Studies on Stress Relaxation and Thermomechanical Properties of Poly(acrylonitrile-butadiene-styrene) Modified Epoxy/Amine Systems. 2011 , 50, 4432-4440	44
185	Development of carbon nanofibre incorporated three phase carbon/epoxy composites with enhanced mechanical, electrical and thermal properties. 2011 , 42, 439-445	61
184	Morphologies and Properties of Cured Epoxy/Phenoxy Containing Carboxyl Groups Blends as Adhesives for Flexible Printed Circuits(FPCs). <i>Journal of the Adhesion Society of Japan</i> , 2011 , 47, 478-484 ^{0.1}	1
183	Toughening of epoxy using core-shell particles. 2011 , 46, 327-338	117
182	The effect of carbon nanotubes on the fracture toughness and fatigue performance of a thermosetting epoxy polymer. 2011 , 46, 7525-7535	166
181	Effect of the structure of curing agents modified by epoxidized oleic esters on the toughness of cured epoxy resins. 2011 , 119, 3504-3510	20
180	Characterisation of the Fracture Energy and Toughening Mechanisms of a Nano-Toughened Epoxy Adhesive. 2011 , 488-489, 573-576	2
179	The Chemistry and Physical Properties of Structural Adhesives. 2012 , 219-258	4
178	Mechanical properties of thermosets. 2012 , 28-61	7
177	Inter-Particle Distance and Toughening Mechanisms in Particulate Thermosetting Composites. 2012 , 65-115	2
176	Matrix Materials. 2012 , 73-103	1
175	Preparation and properties of a methacrylate-containing siliconized epoxy hybrid monomer and its emulsion copolymerization with styrene/butyl acrylate. 2012 , 54, 505-517	2
174	Toughening Epoxy Thermosets with Block Ionomer Complexes: A Nanostructure/Mechanical Property Correlation. 2012 , 45, 3829-3840	89
173	Microstructure and mechanical properties of epoxy hybrid nanocomposites modified with acrylic tri-block-copolymer and layered-silicate nanoclay. 2012 , 43, 945-954	32

172	Thermoset Resins. 2012 , 1	1
171	Epoxy resin/polymer blends: Improvement of thermal and mechanical properties. 2012 , 125, 38-45	13
170	Effect of carbon nanofiber functionalization on the in-plane mechanical properties of carbon/epoxy multiscale composites. 2012 , 125, 1951-1958	16
169	Toughening of polylactide by melt blending with methyl methacrylate-butadiene-styrene copolymer. 2012 , 125, E550-E561	61
168	Preparation and characterization of carboxyl-terminated poly (butadiene-co-acrylonitrile) -epoxy resin prepolymers for fusion-bonded-epoxy powder coating. 2012 , 27, 694-701	8
167	Properties of epoxy-amine networks containing nanostructured ether-crosslinked domains. 2012 , 132, 688-702	18
166	RETRACTED: Synthesis and characterization of an acrylate-containing siliconized epoxy hybrid oligomer and its emulsion copolymerization with vinyl acetate/2-ethylhexylacrylate monomers. 2012 , 73, 155-161	5
165	Augmenting epoxy toughness by combination of both thermoplastic and nanolayered materials and using artificial intelligence techniques for modeling and optimization. 2013 , 20, 1	24
164	The mechanical properties and toughening mechanisms of an epoxy polymer modified with polysiloxane-based core-shell particles. 2013 , 54, 4276-4289	146
163	¹ H NMR and ¹³ C NMR Investigation of Microstructures of Carboxyl-Terminated Butadiene Acrylonitrile Rubbers. 2013 , 52, 127-137	3
162	The microstructure and fracture performance of styrene-butadiene-methylmethacrylate block copolymer-modified epoxy polymers. 2013 , 48, 6762-6777	33
161	The effects of particle morphology on the analysis of discrete particle dispersion using Delaunay tessellation. 2013 , 54, 37-45	8
160	Observation of yield in triaxial deformation of glassy polymers. 2013 , 54, 2821-2833	12
159	Enhanced Electrical Properties of Epoxy Resin with High Adhesion. 2013 , 52, 15713-15717	6
158	The modelling of the toughening of epoxy polymers via silica nanoparticles: The effects of volume fraction and particle size. 2013 , 54, 7022-7032	86
157	Epoxy Resins. 2013 , 95-153	6
156	Rubber-Thermoset Blends: Micro and Nano Structured. 2013 , 229-262	5
155	Experimental, modeling and optimization study on the mechanical properties of epoxy/high-impact polystyrene/multi-walled carbon nanotube ternary nanocomposite using artificial neural network and genetic algorithm. 2013 , 20, 265-276	17

154	Polydimethylsiloxane-Epoxy Copolymer for Industrial Applications. 2013 , 62, 215-219		3
153	Properties of Cured Epoxy Resin/Phenoxy Resin Containing Carboxylic Groups and Phosphorus Blends for Halogen-free Flame-retardancy FPC Adhesives. <i>Journal of the Adhesion Society of Japan</i> , 2013 , 49, 17-23	0.1	
152	Mechanical Properties of Polymer Blends. 2014 , 1203-1297		16
151	Preparation of the modified epoxy resins with flexible diglycidyl ether of diethylene glycol. 2014 , 26, 326-334		11
150	Morphology and mechanical properties of nanostructured acrylic tri-block-copolymer modified epoxy. <i>Polymer Engineering and Science</i> , 2014 , 54, 1047-1055	2.3	26
149	Introduction. 2014 , 1-30		6
148	Optimization of mechanical properties of epoxy-based hybrid nanocomposite: Effect of using nano silica and high-impact polystyrene by mixture design approach. 2014 , 56, 1068-1077		40
147	Development and characterization of flexible epoxy foam with reactive liquid rubber and starch. 2014 , 49, 3125-3134		12
146	Epoxidized natural rubber/epoxy blends: Phase morphology and thermomechanical properties. 2014 , 131, n/a-n/a		50
145	Synthesis and Modifications of Epoxy Resins and Their Composites: A Review. 2014 , 53, 1723-1758		122
144	Synthesis and Characterization of Liquid Natural Rubber as Impact Modifier for Epoxy Resin. 2014 , 55, 129-137		23
143	Compatibility, thermal, mechanical and morphological properties of cardanol based epoxidized resin modified with liquid rubber. 2014 , 18, 27-48		5
142	Mechanical Properties. 2014 , 271-288		
141	Phase-Separation Mechanism in Epoxy Resin/Rubber Blends. 2014 , 127-146		
140	Properties of Cured Epoxy Resin/High Molecular Weight Phenoxy Resin Containing Phosphorus Blends for Halogen free Flame retardancy FPC Adhesives. <i>Journal of the Adhesion Society of Japan</i> , 2014 , 50, 435-441	0.1	
139	Toughening mechanisms of nanoparticle-reinforced polymers. 2015 , 295-320		10
138	Concurrent curing kinetics of an anhydride-cured epoxy resin and polydicyclopentadiene. 2015 , 69, 204-214		30
137	Mechanical Properties of Epoxy/Block Copolymer Blends. 2015 , 1-29		1

136	Morphology of Epoxy/Rubber Blends. 2015 , 1-46	
135	Applications of Epoxy/Rubber Blends. 2015 , 1-28	
134	Novel Techniques for the Preparation of Different Epoxy/Thermoplastic Blends. 2015 , 1-29	2
133	Curing kinetics of nanostructured epoxy blends toughened with epoxidized carboxyl-terminated liquid rubber. 2015 , 605, 8-15	22
132	Thermal and dielectric properties of epoxy/DDS/CTBN adhesive modified by cardanol-based benzoxazine. 2015 , 29, 767-777	15
131	Morphology and properties of nanostructured epoxy blends toughened with epoxidized carboxyl-terminated liquid rubber. 2015 , 24, 425-435	24
130	Improving the fracture toughness and the strength of epoxy using nanomaterials--a review of the current status. 2015 , 7, 10294-329	460
129	Silicone modified epoxy resins with good toughness, damping properties and high thermal residual weight. 2015 , 22, 1	23
128	Synergic effects of poly(vinyl butyral) on toughening epoxies by nanostructured rubbers. 2015 , 77, 129-142	20
127	Facile fabrication and modification of epoxy acrylate latexes by epoxy resin and silane coupling agent. 2015 , 29, 94-108	8
126	Experimental study and optimization of damping properties of epoxy-based nanocomposite: Effect of using nanosilica and high-impact polystyrene by mixture design approach. 2015 , 65, 1236-1244	25
125	Optimisation and analysis of the reinforcement effect of carbon nanotubes in a typical matrix system. 2015 , 50, 461-478	12
124	Fracture Toughening Mechanisms in Epoxy Adhesives. 2016 ,	8
123	Morphology and fracture properties of toughened highly crosslinked epoxy composites: A comparative study between high and low Tg tougheners. 2016 , 101, 14-20	17
122	Epoxy formulation including an acrylic triblock copolymer adapted for use in filament winding. <i>Polymer Engineering and Science</i> , 2016 , 56, 1153-1159	2.3 5
121	Graphene nanoplatelet-modified epoxy: effect of aspect ratio and surface functionality on mechanical properties and toughening mechanisms. 2016 , 51, 8764-8790	51
120	Thermoset Blends of an Epoxy Resin and Polydicyclopentadiene. 2016 , 49, 8960-8970	35
119	Toughening of epoxy-based hybrid nanocomposites. 2016 , 97, 179-190	76

118	Particulate polyaryletherketones with amine end functionalisation by a Friedel Crafts dispersion polymerisation. 2016 , 84, 538-549		2
117	Various Physical Properties of Epoxy Resins Modified by Polyurethanes Containing High Hard Segment. <i>Journal of the Adhesion Society of Japan</i> , 2016 , 52, 70-76	0.1	1
116	Thermal and mechanical behavior of poly(vinyl butyral)-modified novolac epoxy/multiwalled carbon nanotube nanocomposites. 2016 , 133, n/a-n/a		9
115	Multi-mode modeling of global and local deformation, and failure, in particle filled epoxy systems. 2016 , 88, 1-9		7
114	Methods to increase the toughness of structural adhesives with micro particles: an overview with focus on cork particles. 2016 , 47, 307-325		24
113	Experimental investigation on the effect of nanostructuring on the adherence properties of epoxy adhesives by a probe tack test. 2016 , 67, 22-30		5
112	Nanoindentation, compression and fractural characterization of highly dispersed epoxy silica nanocomposites. 2016 , 35, 541-555		6
111	Improving the fracture toughness of epoxy with nanosilica-rubber core-shell nanoparticles. 2016 , 125, 132-140		58
110	Toughening of Epoxy Nanocomposites: Nano and Hybrid Effects. 2016 , 56, 70-112		105
109	Toughness enhancement of thermosetting polymers using a novel partially reacted substructure curing protocol: A combined molecular simulation and experimental study. 2016 , 90, 249-255		5
108	Failure processes governing high-rate impact resistance of epoxy resins filled with core-shell rubber nanoparticles. 2016 , 51, 2347-2370		38
107	Toughening of photo-curable polymer networks: a review. 2016 , 7, 257-286		191
106	Synthesis and characterization of modified epoxy resins and novel E-glass-/spectra-reinforced composites. 2017 , 29, 328-340		7
105	Thermosets. 2017 , 1-75		6
104	Functional PDMS enhanced strain at fracture and toughness of DGEBA epoxy resin. 2017 , 89, 101-118		21
103	Composites Toughen Up!. 2017 , 471-487		
102	A Review on Rubber-Enhanced Polymeric Materials. 2017 , 57, 311-338		30
101	A statistical approach to develop biocomposites from epoxy resin, poly(furfuryl alcohol), poly(propylene carbonate), and biochar. 2017 , 134, 45307		18

100	Core-shell rubber nanoparticle reinforcement and processing of high toughness fast-curing epoxy composites. 2017 , 147, 78-88		22
99	Damage mitigation techniques in wind turbine blades: A review. 2017 , 41, 185-210		37
98	Fatigue crack propagation in triblock copolymer toughened epoxy nanocomposites. <i>Polymer Engineering and Science</i> , 2017 , 57, 579-587	2.3	14
97	Atomistic prediction of plane stress behavior of glassy thermosets. 2017 , 128, 257-277		6
96	Effect of carbon nanotube and functionalized liquid rubber on mechanical and electrical properties of epoxy adhesives for aircraft structures. 2017 , 129, 1-10		36
95	Toughening of Glass Fiber Reinforced Unsaturated Polyester Composites by Core-Shell Particles. 2017 , 742, 74-81		3
94	A study of mechanical properties of biobased epoxy network: Effect of addition of epoxidized soybean oil and poly(furfuryl alcohol). 2017 , 134,		8
93	Role of weak particle-matrix interfacial adhesion in deformation and fracture mechanisms of rigid particulate-filled poly(methyl methacrylate). 2017 , 104, 1-12		13
92	PDMS Nanodomains in DGEBA Epoxy Induce High Flexibility and Toughness. 2017 , 56, 96-107		9
91	13 Advanced Carbon Nanotube Reinforced Multiscale Composites. 2017 , 545-578		2
90	Innovative materials of this era for toughening the epoxy matrix: A review. 2018 , 39, E1959-E1986		30
89	Toughening of Petroleum Based (DGEBA) Epoxy Resins with Various Renewable Resources Based Flexible Chains for High Performance Applications: A Review. 2018 , 57, 2711-2726		63
88	Mechanical Properties of Rubber-Toughened Epoxy Nanocomposites. 2018 , 263-299		1
87	Thermal, mechanical properties and morphology of epoxy resins modified with light pyrolysis natural rubber. 2018 , 37, 2541-2551		7
86	A study of mechanical properties of foil materials for the GEM detector proposed for the CMS muon system upgrade at LHC. <i>Polymer Engineering and Science</i> , 2018 , 58, 1539-1547	2.3	1
85	Recycled and devulcanized rubber modified epoxy-based composites reinforced with nano-magnetic iron oxide, Fe ₃ O ₄ . 2018 , 148, 1-13		25
84	Laser confocal microscopical characterization of toughened epoxy resins: Correlations between structural features and mechanical properties. 2018 , 135, 46094		1
83	Cavitation in epoxies under composite-like stress states. 2018 , 106, 52-58		13

82	Mechanical Characterization of Epoxy: Scrap Rubber Based Composites Reinforced with Nanoparticles. 2018 , 33-43	
81	Impact properties of thermoplastic composites. 2018 , 50, 109-183	22
80	Curing rate effects on the toughness of epoxy polymers. 2018 , 159, 116-123	16
79	Tensile Properties, Fracture Mechanics Properties and Toughening Mechanisms of Epoxy Systems Modified with Soft Block Copolymers, Rigid TiO ₂ Nanoparticles and Their Hybrids. 2018 , 2, 72	21
78	The fracture of thermosetting epoxy polymers containing silica nanoparticles. 2018 , 11, 137-148	6
77	Mechanical properties of thermosets. 2018 , 35-68	8
76	Investigation on fracture behavior and mechanisms of DGEBF toughened by CTBN. 2018 , 699, 14-21	14
75	Epoxy Resins. 2018 , 139-223	6
74	New UV/heat dual-curable sealant containing acrylate-epoxy hybrid resin for highly adhesive liquid crystal device. 2019 , 678, 84-90	3
73	Effect of Different Types of Block Copolymers on Morphology, Mechanical Properties, and Fracture Mechanisms of Bisphenol-F Based Epoxy System. 2019 , 3, 68	15
72	The Effect of Hybridized Carbon Nanotubes, Silica Nanoparticles, and Core-Shell Rubber on Tensile, Fracture Mechanics and Electrical Properties of Epoxy Nanocomposites. 2019 , 9,	13
71	Enhancing compatibility in epoxy/vulcanized natural rubber (VNR)/Graphene nano-platelets (GNP) system using epoxidized natural rubber (ENR-50). 2019 , 174, 107058	6
70	Toughening of Epoxy Resin: The Effect of Water Jet Milling on Worn Tire Rubber Particles. 2019 , 11,	3
69	Nanostructured Thermoset/Thermoset Blends Compatibilized with an Amphiphilic Block Copolymer. 2019 , 52, 3104-3114	5
68	A New Way of Toughening of Thermoset by Dual-Cured Thermoplastic/Thermosetting Blend. 2019 , 12,	3
67	Novel amphiphilic block copolymer modifiers based on chain-extended polyester for improved toughness of epoxy resins. <i>Polymer Engineering and Science</i> , 2019 , 59, E216-E223	2-3 3
66	Mechanical properties and fracture behavior of high-performance epoxy nanocomposites modified with block polymer and core-shell rubber particles. 2020 , 137, 48471	18
65	Effect of Hexamethyldisilazane-Modified Nano Fumed Silica on the Properties of Epoxy/Carboxyl-Terminated Poly(butadiene-co-acrylonitrile) Blend: A New Hybrid Approach. 2020 , 59, 2883-2891	6

64	General-Purpose Coarse-Grained Toughened Thermoset Model for 44DDS/DGEBA/PES. 2020 , 12,	2
63	Effect of the characteristics of nylon microparticles on Mode-I interlaminar fracture toughness of carbon-fibre/epoxy composites. 2020 , 138, 106073	7
62	Stereolithography 3D Printing of Microcapsule Catalyst-Based Self-Healing Composites. 2020 , 2, 5048-5057	9
61	High strength epoxy system modified with soft block copolymer and stiff core-shell rubber nanoparticles: Morphology, mechanical properties, and fracture mechanisms. 2020 , 14, 384-399	10
60	Effect of tertiary polysiloxane on the phase separation and properties of epoxy/PEI blend. 2021 , 138, 49672	1
59	Silica solid particles toughening, strengthening and anti-aging on epoxy resin. 2021 , 138, 50331	3
58	Enhanced Thermal Conductivity and Mechanical Toughness of the Epoxy Resin by Incorporation of Mesogens Without Nanofillers. 2021 , 9, 31575-31580	1
57	Modelling defect severity for failure analysis of composites. 2021 , 275-306	
56	Thermosetting Polymer Composites. 2021 ,	
55	Epoxidized soybean oil modified using fatty acids as tougheners for thermosetting epoxy resins: Part 2 Effect of curing agent and epoxy molecular weight. 2021 , 138, 50579	1
54	The Chemistry and Physical Properties of Structural Adhesives. 2021 , 223-262	
53	Multifunctional epoxy composites modified with a graphene nanoplatelet/carbon nanotube hybrid. 2021 , 138, 50890	5
52	Synergistic Effects of Acrylic/Silica Armored Structured Nanoparticles on the Toughness and Physicomechanical Properties of Epoxy Polymers. 2021 , 3, 4008-4016	5
51	Toughening of a dicyandiamide-cured epoxy resin: Influence of cure conditions on different rubber modifications. <i>Polymer Engineering and Science</i> , 2021 , 61, 2445	2.3 1
50	Low temperature fatigue crack propagation in toughened epoxy resins aimed for filament winding of type V composite pressure vessels. <i>Polymer Testing</i> , 2021 , 102, 107323	4-5 3
49	Incorporation of elastomeric secondary phase into epoxy matrix influences mechanical properties of epoxy coatings. 2021 , 435-462	
48	Polyimide Adhesives: Modified with ATBN and Silicone Elastomers. 1984 , 467-479	5
47	Fracture Toughness of Elastomer Modified Epoxy Adhesives. 1984 , 829-838	2

46	Mixed-Mode Fracture of Structural Adhesives. 1975 , 501-511	8
45	Rubber Modified Matrices. 1983 , 171-188	5
44	Epoxy Structural Adhesives. 1986 , 113-179	11
43	Mechanical Properties of Epoxy/Rubber Blends. 2015 , 1-36	2
42	Dynamic Mechanical Thermal Analysis of Epoxy/Thermoplastic Blends. 2016 , 1-31	1
41	Introduction to Rubber Toughened Epoxy Polymers. 2017 , 3-28	1
40	Mechanical Properties of Epoxy/Rubber Blends. 2017 , 279-314	3
39	Novel Techniques for the Preparation of Different Epoxy/Thermoplastic Blends. 2017 , 459-486	2
38	Dynamic Mechanical Thermal Analysis of Epoxy/Thermoplastic Blends. 2017 , 675-706	1
37	Mechanical Properties of Epoxy/Block-Copolymer Blends. 2017 , 1067-1095	1
36	Mechanical Characterization of Epoxy Scrap Rubber Based Composites Reinforced with Alumina Fibers. 2018 , 59-70	5
35	Fracture behaviour of epoxy resins. 1993 , 144-174	8
34	Introduction of a Rubbery Interphase in Glass/Epoxy Composite Materials: Influence of the Interlayer Thickness on the Viscoelastic and Mechanical Properties of Particulate and Unidirectional Composites. 1990 , 441-448	5
33	Rubber Modification of Plastics. 1978 , 63-89	11
32	Chapter 3 Thermosetting polyimides. 1996 , 121-154	1
31	Micro- and Nanostructured Polymer Blends. 2005 , 1-42	3
30	A variable stiffness morphing skin: preparation and properties.	2
29	Adhesion Testing. 2000 , 295-305	

28	SED Method of Measuring Yield Strength of Adhesives and Other Materials. 2005 , 2, 12954	2
27	Studies on cardanol-based epoxidized novolac resin and its blends. 2008 , 2, 173-184	11
26	References. 2010 , 115-129	
25	Morphologies and Properties of Cured Epoxy/Phenoxy Containing Phosphorus/Blends as Adhesives for Flexible Printed Circuits(FPCs). <i>Journal of the Adhesion Society of Japan</i> , 2011 , 47, 170-177	0.1
24	Literaturverzeichnis. 1977 , 84-91	
23	IN SITU DELAMINATION OF GRAPHITE/EPOXY COMPOSITE MATERIALS. 1984 , 2889-2896	
22	Matrix Materials. 1987 , 58-78	
21	LATEX ACRYLIC SEALANTS. 1993 , 205-231	
20	Chapter 2 Unsaturated polyester resins. 1996 , 61-119	
19	Matrix Materials. 1998 , 72-100	
18	Introduction to Rubber toughened Epoxy Polymers. 2015 , 1-26	0
17	Applications of Epoxy/Rubber Blends. 2016 , 1-28	
16	Applications of Epoxy/Rubber Blends. 2017 , 399-426	1
15	Morphology of Epoxy/Rubber Blends. 2017 , 101-146	1
14	Effects of Epoxy Resin's Content in Modifying with In-situ Polyurethanes on Properties of Cured Blends with Anhydride. <i>Journal of the Adhesion Society of Japan</i> , 2019 , 55, 4-16	0.1
13	Matrix Materials. 2019 , 75-105	
12	Improvement Effect of Physical Properties of Diglycidylether of Bisphenol-A Modified by Epoxy Terminated Macroglycols. <i>Journal of the Adhesion Society of Japan</i> , 2019 , 55, 351-359	0.1
11	Factors Affecting the Development of New Matrix Resins for Advanced Composites. 1983 , 231-243	

10 Adhesive and Mechanical Properties of Reactive Polysulfone Modified Epoxy Resins *. **2020**, 191-204

9 Mode II fracture characterization of toughened epoxy resin composites. *International Journal of Fracture*, 1 2.3 0

8 Toughened thermoset resins. **2022**, 293-370 2

7 Temperature-dependent fracture behavior of towpreg epoxy resins for cryogenic liquid hydrogen composite vessels: The influence of polysiloxane tougheners on the resin yield behavior. *Polymer Testing*, **2022**, 107678 4.5 0

6 Impact and stretching standardized tests as useful tools for assessment of viscoelastic behavior for highly rubberized asphalt binder. **2022**, 348, 128650 0

5 Viscoelastic behavior of glass fiber reinforced rubber-modified epoxy. **2022**, 9, 390-395 0

4 Mechanisms for combining polyamide and epoxy and their effects on mechanical performance: A review. **2022**, 30, 096739112211301 0

3 Effect of crumb rubber addition on the deformation and fracture behavior of ductile epoxy matrix. 0

2 Testing, modelling, and parameter identification for adhesively bonded joints under the influence of temperature. 1-32 0

1 Applications of unsaturated polyester resins in asphalt pavements. **2023**, 205-222 0