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Structureproperty relationships in polyhydroxyurethanes produced from terephthaloyl dicyclocarbonate with various polyamines

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#	Paper	IF	Citations
43	Synthesis of isosorbide based polyurethanes: An isocyanate free method. *Reactive and Functional Polymers*, **2013**, 73, 588-594	4.6	128
42	Access to nonisocyanate poly(thio)urethanes: A comparative study. *Journal of Polymer Science Part A*, **2013**, 51, 3284-3296	2.5	53
41	Lipidic polyols using thiol-ene/yne strategy for crosslinked polyurethanes. *Journal of Polymer Science Part A*, **2014**, 52, 1597-1606	2.5	18
40	Reactivity of secondary amines for the synthesis of non-isocyanate polyurethanes. *European Polymer Journal*, **2014**, 55, 17-26	5.2	87
39	Isocyanate free polyurethanes from new CNSL based bis-cyclic carbonate and its application in coatings. *European Polymer Journal*, **2014**, 57, 99-108	5.2	70
38	Rational investigations in the ring opening of cyclic carbonates by amines. *Green Chemistry*, **2014**, 16, 4286-4291	10	129
37	Non-isocyanate polyurethanes: synthesis, properties, and applications. *Polymers for Advanced Technologies*, **2015**, 26, 707-761	3.2	209
36	Isocyanate-Free Routes to Polyurethanes and Poly(hydroxy Urethane)s. *Chemical Reviews*, **2015**, 115, 12407-39	68.1	375
35	Facile route to multigram synthesis of environmentally friendly non-isocyanate polyurethanes. *Polymer*, **2015**, 80, 228-236	3.9	41
34	Promising mechanical and adhesive properties of isocyanate-free poly(hydroxyurethane). *European Polymer Journal*, **2016**, 84, 404-420	5.2	82
33	Synthesis, modification and properties of rosin-based non-isocyanate polyurethanes coatings. *Progress in Organic Coatings*, **2016**, 101, 461-467	4.8	39
32	Structure-property-glass transition relationships in non-isocyanate polyurethanes investigated by dynamic nanoindentation. *Materials Research Express*, **2016**, 3, 075019	1.7	4
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29	Synthesis and characterization of advanced biobased thermoplastic nonisocyanate polyurethanes, with controlled aromatic-aliphatic architectures. *European Polymer Journal*, **2016**, 84, 759-769	5.2	45
28	Novel thermoplastic polyhydroxyurethane elastomers as effective damping materials over broad temperature ranges. *European Polymer Journal*, **2016**, 84, 770-783	5.2	57
27	Organocatalytic synthesis of novel renewable non-isocyanate polyhydroxyurethanes. *Journal of Polymer Science Part A*, **2016**, 54, 758-764	2.5	38

26	Progress in non-isocyanate polyurethanes synthesized from cyclic carbonate intermediates and di- or polyamines in the context of structure–properties relationship and from an environmental point of view. *Polymer Bulletin*, **2016**, 73, 1459-1496	2.4	58
25	Syntheses of epoxyurethane polymers from isocyanate free oligo-polyhydroxyurethane. *European Polymer Journal*, **2016**, 75, 175-189	5.2	51
24	Tuning nanophase separation behavior in segmented polyhydroxyurethane via judicious choice of soft segment. *Polymer*, **2017**, 110, 218-227	3.9	29
23	Hydrogen bonds prevent obtaining high molar mass PHUs. *Journal of Applied Polymer Science*, **2017**, 134, 44958	2.9	31
22	Tuning the properties of segmented polyhydroxyurethanes via chain extender structure. *Journal of Applied Polymer Science*, **2017**, 134, 44942	2.9	23
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20	A novel 2,5-furandicarboxylic acid-based bis(cyclic carbonate) for the synthesis of biobased non-isocyanate polyurethanes. *RSC Advances*, **2017**, 7, 37-46	3.7	43
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17	In situ development of bio-based polyurethane-blend-epoxy hybrid materials and their nanocomposites with modified graphene oxide via non-isocyanate route. *Polymer International*, **2018**, 67, 1062-1069	3.3	12
16	Synthesis of fully bio-based and solvent free non-isocyanate poly (ester amide/urethane) networks with improved thermal stability on the basis of vegetable oils. *Polymer Degradation and Stability*, **2018**, 155, 111-121	4.7	23
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2	Synthesis and characterization of original fluorinated bis-cyclic carbonates and xanthates from a fluorinated epoxide. **2023**, 26, 19-28		0
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