



## Polyureas For Laminated Composite

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Condition: New. Publisher/Verlag: LAP Lambert Academic Publishing | Polyurea Composite | Different Polyurea derivatives have been synthesized using 2-aminobenzothiazole derivatives. The aminobenzothiazole derivatives were diazotized and coupled with m-phenylene diamine. The resulting polyureas have been characterized by different techniques. The formation of polymers was resulted by condensation polymerization reaction of disperse dyes. Final scaffolds were characterized by FT-IR, elemental analysis, molecular weight determination and thermogravimetry analysis. The synthesized polymers with commercial epoxy resin diglycidyl ether of bisphenol A (DGEBA). The curing study of the prepared resins was monitored by DSC. Based on DSC thermograms, glass fibre reinforced composites have been laminated and characterized for chemical, mechanical and electrical properties. All the chemical, mechanical, and electrical tests on composites were conducted according to ASTM methods. | Format: Paperback | Language/Sprache: english | 133 gr | 220x150x5 mm | 76 pp.



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