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Autore	Mittal Vikas
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""2.4. NANOCOMPOSITES OF POLYURETHANES"""""2.4.1. Preparation Methods""; ""2.4.2. Waterborne Polyurethanes""; ""2.4.3. Polyurethane Foams""; ""2.5. NANOCOMPOSITES OF POLYIMIDES""; ""2.5.1. Preparation Methods""; ""2.5.2. Low k Nanocomposites""; ""2.5.3. Effect of Carbon Nanotubes""; ""2.6. SUMMARY""; ""REFERENCES"";
""POLYMER/CLAY NANOCOMPOSITES THROUGHEMULSION AND SUSPENSION POLYMERIZATION""; ""ABSTRACT""; ""3.1. INTRODUCTION""; ""3.2. POLYMERIZATION IN DISPERSED MEDIA"";
""3.2.1. Polymerization Techniques and Commercial Products"";
""Emulsion Polymerization""; ""Suspension Polymerization""
""3.3. IMPLICATIONS OF THE TYPE OF CLAY IN THE SYNTHESIS OFWPCNS"""""3.4.NANOCOM. SYNTHESMPOSITES USIS OF WATUSING PRISTERBORNESTINE CLAE POLYMERAY DISPERSR/CLAYSED IN WATER"";
""3.4.1. Pristine Clay in Aqueous Phase""; ""3.4.2. In-situ Modified Clay in Aqueous Phase""; ""3.4.3. In-situ Modification of Clay With Non-Cationic AmphiphilicCompounds in Aqueous Phase""; ""3.4.4. Blends of Polymeric Dispersions with Clay Dispersions""; ""3.5. SYNTHESIS OF WATERBORNE POLYMER/CLAYNANOCOMPOSITES USING ORGANICALY MODIFIED CLAYS(OMC)""
""3.5.1. OMC Dispersed in the Water Phase and Proceeded as in EmulsionPolymerization"""""3.5.2. OMC Dispersed in the Organic Phase Followed by Emulsion,Suspension or Miniemulsion Polymerization"";
""3.5.3. Molar Mass Distribution of WPCN Synthesized Using OMCs"";
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