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AND MECHANICAL PROPERTIES OF POLYMERS A1.1 PHYSICAL PROPERTIES Physical Properties Of Polymers Include Molecular Weight, Molar Volume, Density, ... The Glass Transition Temperature Is Also Affected By The Molecular weight of the polymer (Fig.A1.8). T_g Is increased with the molecular 1th, 2024

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Strength Properties Of The Polymer. For The Quantification Of Such Failures, The Mechanical Property Of Primary Interest Is The Yield Strength And The Corresponding Strain. 3. Fracture Cracks Constitute Regions Of Material Discontin 2th, 2024

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Structure-property Relationship Is Established. Ultimate Properties Of Various Polymers Are Also Covered. 1. Introduction To Mechanical Properties: General Considerations Polymers Are Usually Described As Viscoelastic Materials, Which Emphasizes Their Intermediate Position Between Viscous Liquids And Elastic Solids. An Ideal Linear Elastic 3th, 2024

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Formation Data. These Data Allow The Calculation Of The Damping Or Tan Delta (δ) As Well As Complex Modulus And Viscosity Data. Two Approaches Are Used: (a) Forced Frequency, Where The Signal Is Applied At A Set Frequency And (b) Free Res-onance, Where The Material 3th, 2024

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3-cyclohexene-1,2-dicarboxylic Acid Anhydride (DOCA) And An Aromatic Diamines 4,4'-oxydianiline (ODA) Or 4-(4-((4-(4-aminophenoxy) Phenyl)sulfonyl)phenoxy (p-BAPS) Were Synthesized And Analysed By Rheological Methods. The Results Were 3th, 2024

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