

Pengaruh jenis diol dan pemanjang rantai terhadap viskositas intrinsik poli (Uretan - UREA)

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Abstrak

Some poly (urethane-urea) variations have been synthesized from three types of diols 9(10)-methoxy-1,10(9)-octadecanediol (Diol-1),9(10)-ethoxy-1,10(9)-octadecanediol (Diol-2) and 9(10)-butoxy-1,10(9) octadecanediol (Diol-3 with 4,4 methylene bis (phenylisocyanete)(MDI) and chain extender of ethylene diamina (EDA) and phenylene diamina (PDA). Synthesis has been conducted using two phases of methods (prepolymer methods). The structural identification of poly (urethane-ureas) were carried out using FTIR, while intrinsic viscosity were measured using ostwald viscometer with tetrahydrofuran (THF) solvent at room temperature...