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Water-Based Anionic Polycarbodiimide Crosslinker

Journal	Advanced Materials Research (Volumes 393 -
Volume	Biotechnology, Chemical and Materials Engine
Edited by	Ran Chen and Wen-Pei Sung
Pages	1595-1598
DOI	10.4028/www.scientific.net/AMR.393-395.1595
Citation	Xiao Yan Pang et al., 2011, Advanced Materia
Online since	November, 2011
Authors	Xiao Yan Pang , Zhi Wen Ding , Ji Zhang Jia , R
Keywords	Anionic , Polycarbodiimide , Properties , Synthes
Abstract	Water-based anionic polycarbodiimide crosslin synthesized by isophorone diisocyanate(IPDI), phospholene-1-oxide(MPPO). Polycarbodiimi spectroscopy (FTIR) and was applied to aquec groups. The mechanical properties, the swelling acetate and the dry and wet rub and abrasion i characteristic peak of -N=C=N- appeared at 22 1105cm-1.The results of application indicated t the film increased from 1.485MPa to 3.752 MP acetate decreased from 444.9% to 126.1%, 1 added to top coating of coating agent, it was fc
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