Username:

HOME CONTACT My eBook



FULLTEXT SEARCH



NEW: Advanced Search



MSF

> Materials Science Forum

KEM

> Key Engineering Materials

SSP

> Solid State Phenomena

DDF

> Defect and Diffusion Forum

AMM

> Applied Mechanics and Materials

AMR

> Advanced Materials Research

AST

> Advances in Science and Technology

JNanoR

> Journal of Nano Research

JBBTE

 Journal of Biomimetics, Biomaterials, and Tissue
Engineering

JMNM

> Journal of Metastable and Nanocrystalline Materials

JERA

 International Journal of Engineering Research in Africa

AEF

> Advanced Engineering Forum

NH

> Nano Hybrids

> @scientific.net

CONFERENCE



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.393-395.1598
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), phosopholene-1-oxide(MPPO). Polycarbodiimi spectroscopy (FTIR) and was applied to aquec groups. The mechanical properties, the swellin acetate and the dry and wet rub and abrasion 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
Full Paper	Bet the full paper by clicking here

First page example



11/13/2012 - 11/15/2012 The International Conference on Advanced Er **8/24/2012 - 8/25/2012** AMMT 2012: 2012 International Conference of **8/24/2012 - 8/26/2012** 2012 2nd International Conference on Materia

more...

Advanced Materials Research Vols. 393-395 (2012) pp 155 Online available since 2011/Nov/22 at www.scientific.net © (2012) Trans Tech Publications, Switzerland doi:10.4028/www.scientific.net/AMR.393-395.1595

Water-based Anionic Polycarbo

Xiaoyan Pang^{1,a}, Zhiwen Ding

¹China leather and footwear industry re-

²Shaanxi University of Sicence ar

^apang_xiaoyan@126.com, ^b ding-zhiwe

d tongrong1:

keywords: Polycarbodiimide; water-based; anior

Abstract. Water-based anionic polycarbodiimid than 6 months was synthesized by isopho sulfonate(SHES), 3-methyl-1-phenyl-2-phos crosslinker was characterized by Fourier transfon aqueous polyurethane resin coating agents whi properties, the swelling ratio of the film in water, the dry and wet rub and abrasion resistance v characteristic peak of -N=C=N- appeared at 1 $-SO_3$ appeared at 1105cm⁻¹. The results of app polyurethane resin, tensile strength of the film swelling rate in water, 0.05mol/L Sodium hyd 126.1%, 181.9% to 92.5%, 351.2% to 186.4% coating agent, it was founded that the dry and wei

Introduction

With the rapid growth of water coating agent, t change to water solubility. It is an important way to use crosslinker. The improvement performance solvent, pollution resistance, toughness and me that has been developed fast can be used to cro agent in common temperature. It is the environi which is used commonly [1,2]. In this paper, a n sulfonate group was synthesized and the propertic

Experimental Materials

Isophorone diisocyanate(IPDI), indu 3-methyl-1-phenyl-2-phosopholene-1-oxide (MPI Ltd.;Sodium hydroxyethyl sulfonate(SHES), Guangzhou;Dibutyltin dilaurate (DBTDL), CP, B coating agent(OSITAN RU-131), indusrial pro Co.Ltd. Beijing.

All rights reserved. No part of contents of this paper may be reproduced or ts www.tp.net. (ID: 114.246.153.228-20/12/11,04:41:33)