Thixostar
- Amphiphilic Polyurethane -

Product Amphiphilic Polyurethane with polyethylene glycol(PEG)-based combined some hydrophobic molecules

Application Viscosity modifier for ceramics, electronic materials, construction, paint, and other areas

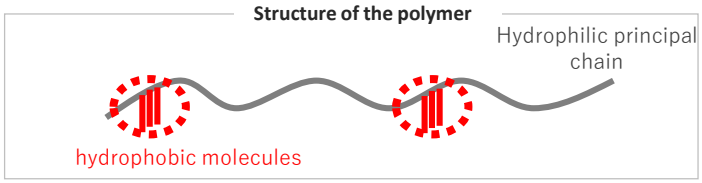
Feature obtain viscosity and thixotropy

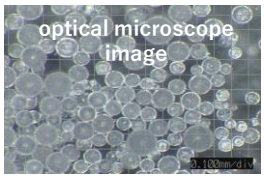
BACKGROUND

Japan Material Technologies Corporation and Mitsui Chemicals Sign a Patent Licensing Agreement for Amphiphilic Polyurethane

PRODUCT OVERVIEW

Ether-based Amphiphilic Polyurethane, has a unique molecular structure, with a hydrophilic principal chain as well as some hydrophobic molecules





Product lineup: 2 grades, obtain middle viscosity and low viscosity

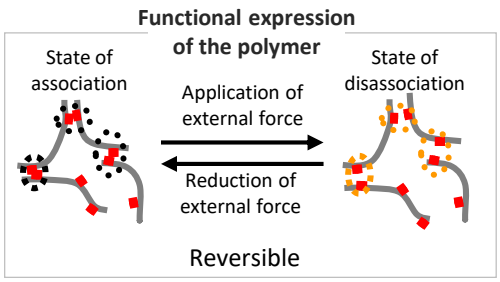
	50K	5K
Appearance	White powder	
Molecular weight	number-average 270,000 weight-average 1,050,000	number-average 133,000 weight-average 494,000
Viscosity of 2% aqueous solution	50,000 mPa・s	5,000 mPa・s
Melting point	60°C	

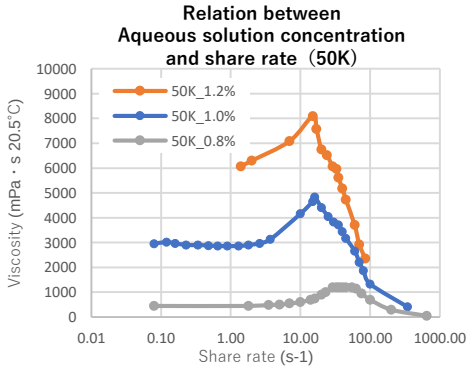
PRODUCT FEATURE

Viscosity
Obtain viscosity to water and some polar organic solvent

Rheology/ Thixotropy
Obtain thixotropy when external force is applied

Non-ionic organic compound
odorless white powder, completely combustion in certain conditions





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