

# 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

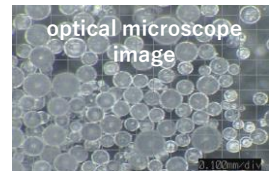
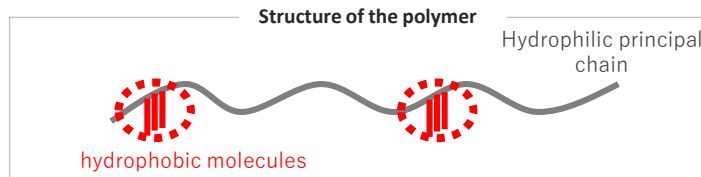
obtain viscosity and thixotropy

## 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	number-average 133,000
	weight-average 1,050,000	weight-average 494,000
Viscosity of 2% aqueous solution	50,000 mPa · s	5,000 mPa · s
Melting point	60°C	

## PRODUCT FEATURE

### Viscosity

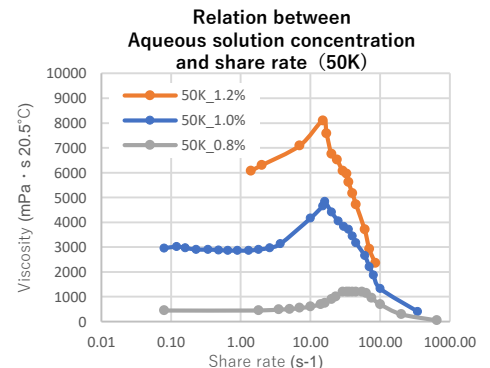
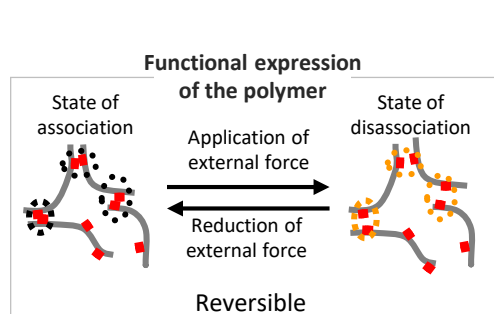
Obtain viscosity to water and some polar organic solvent

### Rheology/ Thixotropy

Obtain thixotropy when external force is applied

### Non-ionic organic compound

odorless white powder, completely combustion in certain conditions



## Contact