

# PEARLSTICK® 46-10/01

Thermoplastic Polyurethane Elastomer (Polyester)

Lubrizol Advanced Materials, Inc.

## Message:

Pearlstick ® 46-10/01 : is an elastic, linear, aromatic polyurethane, supplied in form of white spherical granules with a very high crystallization rate and a very high thermoplasticity level.

Pearlstick ® 46-10/01 enables the production of adhesives with high solids content and low viscosity, which are adequate for application in the wood and shoe industries.

The addition of a polyfunctional isocyanate improves the heat-resistance and the strength of the joint

General Information			
Features	Low viscosity		
	Aroma		
Uses	Adhesive		
Appearance	White		
Forms	Particles		
Physical	Nominal Value	Unit	Test Method
Density (20°C)	1.19	g/cm <sup>3</sup>	ISO 2781
Viscosity <sup>1</sup> (20°C)	100 - 200	mPa · s	Internal method
Hydroxyl Value	0.10	%	Internal method
Activation temperature	> 50	°C	EN 12961
Additional Information	Nominal Value	Unit	Test Method
SOLUBILITY Pearlstick ® 46-10/01 is soluble in Methylene Chloride, Acetone, Methyl Ethyl Ketone (MEK), Ethyl Acetate, Cyclohexanone, Dimethyl formamide, (DMF), Tetrahydrofuran (THF). Diluting solvents such as Toluene can be added in large amounts. The solvents and diluents should be water-free (max. 0.1%), so as to avoid subsequent side reactions during crosslinking with isocyanate.			
NOTE			

1. Brookfield RVF sp 2, 20 rpm.  
Solution at 15% in MEK

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## Recommended distributors for this material

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