

## Technical Data Sheet

**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.

### SPECIFICATION

**Viscosity @ 20°C** (Brookfield RVF sp 2, 20 rpm.)\* **100 – 200 mPa.s** **MQSA 40A**

\*Solution 15% MEK (MQSA N° 55 A)

Property	Typical Values*	Test Method
Density @ 20°C	1.19 g/cm <sup>3</sup>	ISO 2781
Hydroxyl number	Approx. 0.1%.	MQSA 47A
Minimum Activation Temperature	Approx. 50°C	EN-12961

\*These are typical values & should not be used for establishing specifications.

### 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.

### APPLICATIONS

**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 joints

### HEALTH AND SAFETY

A safety data sheet on **Pearlstick™ 46-10/01** is available, with all safety information. When solutions are prepared, the usual safety practices in the handling of chemicals should be observed, i.e.: good ventilation in the working area, good skin protection and protective goggles.

### PACKAGING

PE bags of 25 Kg. net. Bags are shipped on pallets of 750 Kg.

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## STORAGE

**Pearlstick™ 46-10/01** must be stored in a cool (15–25°C) and environment prior to being processed. Standard practice of consuming resin on first-in first-out basis should be employed.

**For further information refer to Lubrizol Advanced Materials processing guides.**

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