

Lubrizol Advanced Materials Pearlstick® 46-10/01 Linear Thermoplastic Polyurethane Elastomer

Category : Polymer , Thermoplastic , Polyurethane, TP

Material Notes:

Pearlstick® 46-10/01 is an elastic, linear, aromatic polyurethane with a very high crystallization rate and a very high thermoplasticity level, available as pellets. Solubility: Pearlstick® 46-10/01 is soluble in methylene chloride, acetone, methyl ethyl ketone (MEK), ethyl acetate and 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 isocyanates. Solutions: Pearlstick® 46-10/01 should be dissolved in closed tanks, and the use of a variable speed agitator is advised. The final viscosity figures can vary, depending on the stirring process and on the solvent/diluents ratios. Applications: Pearlstick® 46-10/01 is used for the production of adhesives for bonding plasticized PVC to plasticized PVC or other materials such as leather, textiles, metals, paper, etc. 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 poly-functional isocyanate improves the heat-resistance and the strength of the joints.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Lubrizol-Advanced-Materials-Pearlstick-46-1001-Linear-Thermoplastic-Polyurethane-Elastomer.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.19 g/cc	1.19 g/cc	ISO 2781
Brookfield Viscosity	100 - 200 cP @Temperature 20.0 °C	100 - 200 cP @Temperature 68.0 °F	Brookfield RVF sp. 2, 20 rpm solution at 15% in MEK; MQSA N0 40A

Processing Properties	Metric	English	Comments
Processing Temperature	>= 50.0 °C	>= 122 °F	Activation Temperature; EN-12961

Descriptive Properties	Value	Comments
Color	white or slightly yellowish	
Crystallization Rate	Very High	
Hydroxyl Content	Approx. 0.1%	MQSA 47A
Thermoplasticity Range	Very High	

Contact Songhan Plastic Technology Co.,Ltd.

Website : www.lookpolymers.com

Email : sales@lookpolymers.com

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215,Fengxian District, Shanghai City,China