

Lubrizol Advanced Materials Pearlstick® 48-60/25 Linear Thermoplastic Polyurethane Elastomer

Category : Polymer , Thermoplastic , Polyurethane, TP

Material Notes:

Pearlstick® 48-60/25 is an elastic, linear, aromatic polyurethane with a very high crystallization rate and a low-medium thermoplasticity level, available as pellets. Solubility: Pearlstick® 48-60/25 is soluble in acetone, methyl ethyl ketone (MEK), cyclohexanone, dimethyl formamide and tetrahydrofuran (THF). Diluting solvents such as toluene and ethyl acetate can be added. The solvents and diluents should be water-free (max 0.1%), so as to avoid subsequent side reactions during crosslinking with isocyanates. Solutions: Pearlstick® 48-60/25 gives transparent solutions. It should be dissolved in closed tanks, and the use of high shear equipment is advised. The final viscosity figures can vary, depending on the stirring process and on the solvent/diluents ratios. Applications: Pearlstick® 48-60/25 is used for the production of adhesives for bonding plasticized PVC to plasticized PVC or other materials such as leather, textiles, rubber, in the shoe industry. The addition of a poly-functional isocyanate improves the performance of the adhesive.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Lubrizol-Advanced-Materials-Pearlstick-48-6025-Linear-Thermoplastic-Polyurethane-Elastomer.php

| Physical Properties | Metric | English | Comments |
|----------------------|---|--|---|
| Specific Gravity | 1.19 g/cc | 1.19 g/cc | ISO 2781 |
| Brookfield Viscosity | 2200 - 2700 cP @Temperature 20.0 °C | 2200 - 2700 cP @Temperature 68.0 °F | Brookfield RVF sp. 4, 20 rpm solution at 15% in MEK; MQSA NA° 40A |

| Processing Properties | Metric | English | Comments |
|------------------------|------------|-----------|----------------------------------|
| Processing Temperature | >= 60.0 °C | >= 140 °F | Activation Temperature; EN-12961 |

| Descriptive Properties | Value | Comments |
|------------------------|-----------------------------|----------|
| Color | white or slightly yellowish | |
| Crystallization Rate | Very High | |
| Freezing Resistance | Very good | MQSA 90 |
| Heat Resistance | Excellent | MQSA 11E |
| Hydroxyl Content | Approx. 0.1% | MQSA 47A |
| Thermoplasticity Range | Low-medium | |

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