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 @ 20ºC (Brookfield RVF sp 2, 20 rpm.)*

<table>
<thead>
<tr>
<th>Property</th>
<th>Typical Values*</th>
<th>Test Method</th>
</tr>
</thead>
<tbody>
<tr>
<td>Density @ 20ºC</td>
<td>1.19 g/cm³</td>
<td>ISO 2781</td>
</tr>
<tr>
<td>Hydroxyl number</td>
<td>Approx. 0.1%</td>
<td>MQSA 47A</td>
</tr>
<tr>
<td>Minimum Activation Temperature</td>
<td>Approx. 50ºC</td>
<td>EN-12961</td>
</tr>
</tbody>
</table>

*Solution 15% MEK (MQSA Nº 55 A)

*SOLUBILITY

Pearlstick™ 46-10/01 is soluble in Methylene Chloride, Acetone, Methyl Ethyl Ketone (MEK), Ethyl Acetate, Cyclohexanone, Dimethyl formamide, (DMF), Tetrahydrofurane (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.
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.