Pearlstick™ 46-10/16 is an elastic, linear, aromatic polyurethane, supplied in form of white spherical granules with a very high crystallization rate and a high thermoplasticity level.

**SPECIFICATION**

**Viscosity @ 20°C (Brookfield RVF sp 4, 20 rpm.)**

<table>
<thead>
<tr>
<th>Property</th>
<th>Typical Values*</th>
<th>Test Method</th>
</tr>
</thead>
<tbody>
<tr>
<td>Density @ 20°C</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. 50°C</td>
<td>EN-12961</td>
</tr>
</tbody>
</table>

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

**SOLUBILITY**

Pearlstick™ 46-10/16 is soluble in Methylene chloride, Acetone, Methyl Ethyl Ketone (MEK), Ethyl Acetate and 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. It should be dissolved in closed tanks, and the use of a variable speed agitator is advisable. The final viscosity figures can vary, depending on the stirring process and on the solvent/diluents ratios.

**APPLICATIONS**

Pearlstick™ 46-10/16 is used for the production of adhesives for plasticized PVC to plasticized PVC or other materials such as leather, textiles, metals, paper, etc. in the shoe and furniture industry. 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™ 46-10/16 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™ 46-10/16 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.