Technical Data Sheet

Pearlstick™ 45-60/08 is an elastic, linear, aromatic polyurethane, supplied in form of white spherical granules with an extremely high crystallization rate and a medium thermoplasticity level.

SPECIFICATION

<table>
<thead>
<tr>
<th>Property</th>
<th>Typical Values*</th>
<th>Test Method</th>
</tr>
</thead>
<tbody>
<tr>
<td>Viscosity @ 20ºC (Brookfield RVF sp 2, 20 rpm.)*</td>
<td>650–950 mPa.s</td>
<td>MQSA 40A</td>
</tr>
</tbody>
</table>

*Solution 15% MEK (MQSA Nº 55 A)

SOLUBILITY

Pearlstick™ 45-60/08 is soluble in Acetone, Methyl Ethyl Ketone (MEK), Cyclohexanone, Dimethyl formamide (DMF), Tetrahydrofurane (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 isocyanate.

Pearlstick™ 45-60/08 should be dissolved in closed tanks and the use of high shear equipments is advisable. The final viscosity figures can vary, depending on the stirring process and on the solvent/diluents ratios.

APPLICATIONS

Pearlstick™ 45-60/08 is used for the production of adhesives for plasticized PVC to plasticized PVC or other materials such as leather, textiles, rubber, etc.

Pearlstick™ 45-60/08 enables the production of adhesives with high solids content and low viscosity, which are intended for spray application in the automotive industry and with high performances in the green-strength of the joints and temperature resistance.

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™ 45-60/08 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.

The information contained herein is believed to be reliable, but no representations, guarantees or warranties of any kind are made as to its accuracy, suitability for particular applications or the results to be obtained. The information often is based on laboratory work with small-scale equipment and does not necessarily indicate end product performance or reproducibility. Formulations presented may not have been tested for stability and should be used only as a suggested starting point. Because of the variations in methods, conditions and equipment used commercially in processing these materials, no warranties or guarantees are made as to the suitability of the products for the applications disclosed. Full-scale testing and end product performance are the responsibility of the user. Lubrizol Advanced Materials, Inc. shall not be liable for and the customer assumes all risk and liability for any use or handling of any material beyond Lubrizol Advanced Materials, Inc.’s direct control. The SELLER MAKES NO WARRANTIES, EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. Nothing contained herein is to be considered as permission, recommendation nor as an inducement to practice any patented invention without permission of the patent owner.
STORAGE
Pearlstick™ 45-60/08 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.