SPUR+* 1015 Prepolymer

Description

SPUR+ 1015 prepolymer is a silylated polyurethane resin for manufacturing one-part, moisture-curing sealants and adhesives. Plasticizer-free and of relatively low viscosity, it is an excellent base resin for low modulus sealants in building and construction applications where good elastic recovery is required.

Performance Properties (Key Features/Typical Benefits)

- Broad formulation latitude
- Easy application characteristics
- Excellent adhesion to many surfaces without primer
- High durability indoors and outdoors
- Good water and chemical resistance
- High elastic recovery
- Long shelf life

Typical Physical Properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance</td>
<td>Clear, viscous liquid</td>
</tr>
<tr>
<td>Viscosity cP at 25 °C</td>
<td>~ 50,000</td>
</tr>
<tr>
<td>Shelf Life</td>
<td>≥ 12 months</td>
</tr>
<tr>
<td>Tensile Strength (psi)</td>
<td>~75</td>
</tr>
<tr>
<td>Elongation (%)</td>
<td>~280</td>
</tr>
<tr>
<td>100% Modulus (psi)</td>
<td>~41</td>
</tr>
<tr>
<td>Shore A Hardness</td>
<td>~17</td>
</tr>
</tbody>
</table>

Typical properties are average data and are not to be used as or to develop specifications.

Patent Status

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Customers must evaluate Momentive Performance Materials products and make their own determination as to fitness of use in their particular applications.

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