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

*SPUR+ is a trademark of Momentive Performance Materials Inc.
Nothing contained herein shall be construed to imply the nonexistence of any relevant patents or to constitute the permission, inducement or recommendation to practice any invention covered by any patent, without authority from the owner of the patent.

**Product Safety, Handling and Storage**
Customers should review the latest Safety Data Sheet (SDS) and label for product safety information, safe handling instructions, personal protective equipment if necessary, emergency service contact information, and any special storage conditions required for safety. Momentive Performance Materials (MPM) maintains an around-the-clock emergency service for its products. SDS are available at www.momentive.com or, upon request, from any MPM representative. For product storage and handling procedures to maintain the product quality within our stated specifications, please review Certificates of Analysis, which are available in the Order Center. Use of other materials in conjunction with MPM products (for example, primers) may require additional precautions. Please review and follow the safety information provided by the manufacturer of such other materials.

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

**Contact Information**
For product prices, availability, or order placement, contact our customer service at Momentive.com/CustomerService/

For literature and technical assistance, visit our website at: www.momentive.com

**DISCLAIMER:**

THE MATERIALS, PRODUCTS AND SERVICES OF MOMENTIVE PERFORMANCE MATERIALS INC. AND ITS SUBSIDIARIES AND AFFILIATES (COLLECTIVELY “SUPPLIER”), ARE SOLD SUBJECT TO SUPPLIER’S STANDARD CONDITIONS OF SALE, WHICH ARE INCLUDED IN THE APPLICABLE DISTRIBUTOR OR OTHER SALES AGREEMENT, PRINTED ON THE BACK OF ORDER
ACKNOWLEDGMENTS AND INVOICES, AND AVAILABLE UPON REQUEST.
ALTHOUGH ANY INFORMATION, RECOMMENDATIONS, OR ADVICE CONTAINED
HEREIN IS GIVEN IN GOOD FAITH, SUPPLIER MAKES NO WARRANTY OR
GUARANTEE, EXPRESS OR IMPLIED, (i) THAT THE RESULTS DESCRIBED
HEREIN WILL BE OBTAINED UNDER END-USE CONDITIONS, OR (ii) AS TO THE
EFFECTIVENESS OR SAFETY OF ANY DESIGN INCORPORATING ITS
PRODUCTS, MATERIALS, SERVICES, RECOMMENDATIONS OR ADVICE.
EXCEPT AS PROVIDED IN SUPPLIER’S STANDARD CONDITIONS OF SALE,
SUPPLIER AND ITS REPRESENTATIVES SHALL IN NO EVENT BE RESPONSIBLE
FOR ANY LOSS RESULTING FROM ANY USE OF ITS MATERIALS, PRODUCTS
OR SERVICES DESCRIBED HEREIN. Each user bears full responsibility for making
its own determination as to the suitability of Supplier’s materials, services,
recommendations, or advice for its own particular use. Each user must identify and
perform all tests and analyses necessary to assure that its finished parts incorporating
Supplier’s products, materials, or services will be safe and suitable for use under
end-use conditions. Nothing in this or any other document, nor any oral
recommendation or advice, shall be deemed to alter, vary, supersede, or waive any
provision of Supplier’s standard Conditions of Sale or this Disclaimer, unless any such
modification is specifically agreed to in a writing signed by Supplier. No statement
contained herein concerning a possible or suggested use of any material, product,
service or design is intended, or should be construed, to grant any license under any
patent or other intellectual property right of Supplier covering such use or design, or as
a recommendation for the use of such material, product, service or design in the
infringement of any patent or other intellectual property right.

*SPUR+ is a trademark of Momentive Performance Materials Inc.

Momentive and the Momentive logo are trademarks of Momentive Performance
Materials Inc.