

## SPUR+™ 1012 Prepolymer

### Description

SPUR+ 1012 prepolymer is a silylated prepolymer that does not rely on an isocyanate curing reactions. Additionally, it is formulated without the use of phthalate-based plasticizers, and in sealant formulations, using it as the base resin or in combination with SPUR+ 1015 prepolymer, extremely low modulus values can be attained. This moisture curable resin is an excellent candidate to consider in formulating construction sealants requiring rapid cure, good water resistance, high flexibility and adhesion to most construction substrate materials such as concrete, marble and glass. SPUR+ 1012 prepolymer can help enable the formulation of non-staining, paintable sealants.

### Performance Properties (Key Features/Typical Benefits)

- Elimination of curing defects that can accompany isocyanate cure systems
- End product ease of use, particularly with one component systems
- Good elasticity and durability
- Minimal surface tack after cure when properly formulated
- Paintable
- Non-staining of porous substrates
- Excellent adhesion to many construction material surfaces
- Excellent weatherability, water and UV resistance upon formulation
- High elastic recovery
- Co-Binder for 25LM class sealants (ISO 11600)

### Typical Physical Properties

Physical Form	Clear, viscous liquid
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Viscosity, 25 °C, cPs

No viscosity data in SDS

**Typical Resin Mechanical Properties After Cure**

100% Modulus, MPa	0.22
Elongation, %	283
Hardness, Shore A	12

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

**Patent Status**

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](http://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**

Email

[commercial.services@momentive.com](mailto:commercial.services@momentive.com)**Telephone**

<b>Americas</b>	<b>Latin America</b>	<b>EMEAI- Europe, Middle East, Africa &amp; India</b>	<b>ASIA PACIFIC</b>
+1 800 295 2392 Toll free*	<b>Brazil</b> +55 11 4534 9650 Direct Number	<b>Europe</b> +390510924300 Direct number	<b>China</b> 800 820 0202 Toll free +86 21 3860 4892 Direct number
+704 805 6946 Direct Number	<b>Mexico</b> +52 55 2169 7670 Direct Number	<b>India, Middle East &amp; Africa</b> + 91 44 71212207 Direct number*	<b>Japan</b> +81 3 5544 3111 Direct number
*All American countries		<b>*All Middle Eastern countries, Africa, India,</b>	<b>Korea</b> +82 2 6201 4600

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