

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 |
|---------------|-----------------------|

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 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.

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

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