

SPUR+™ 1060 Prepolymer

Description

SPUR+ 1060 prepolymer is a plasticizer-free, ethoxysilane-modified resin used in the manufacture of one-part moisture-curing adhesives and sealants. It is an excellent material of choice as a base resin for medium modulus adhesives and sealants that serve a range of applications, particularly where HAPs emissions are a significant factor.

Performance Properties (Key Features/Typical Benefits)

- Broad formulation latitude
- Excellent adhesion to many substrates
- High durability indoors and outdoors
- Good water and chemical resistance
- High elastic recovery

Silane-terminated polyurethanes (SPUR+ prepolymers) have become increasingly attractive to manufacturers of adhesives, sealants and coatings. SPUR+ 1060 prepolymer's hybrid technology combines the advantages of a silane-curing mechanism and a polyurethane backbone, allowing sealant and adhesive formulations to offer room-temperature cure and good durability, without the liberation of methanol or a dependence on an isocyanate cure.

Typical Physical Properties

Property	Value
Viscosity, 25 °C	13,000 – 20,000 mPa.s
Appearance, 25 °C	Clear
Hardness Shore A after 7d cure	~ 34

Modulus at 50% ex (MPa)

~ 0.5 – 0.6

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.

Contact Information

Email

commercial.services@momentive.com

Telephone

Americas

+1 800 295 2392

Toll free*

+704 805 6946

Latin America

Brazil

+55 11 4534 9650

Direct Number

EMEA|- Europe, Middle East, Africa & India

Europe

+390510924300

Direct number

ASIA PACIFIC

China

800 820 0202

Toll free

Direct Number		+86 21 3860 4892	
		Direct number	
*All American countries	Mexico	India, Middle East & Africa	Japan
	+52 55 2169 7670	Africa	+81 3 5544 3111
	Direct Number	+ 91 44 71212207	Direct number
		Direct number*	
		*All Middle Eastern countries, Africa, India,	Korea
			+82 2 6201 4600

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+™ ist ein Markenname der Momentive Performance Materials Inc.

The use of the "™" symbol designates registered or unregistered trademarks of Momentive Performance Materials Inc. or its affiliated companies. Momentive and the Momentive logo are trademarks of Momentive Performance Materials Inc.