

Silopren* LSR 2530

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Description

Silopren LSR 2530 is a two-component liquid silicone rubber especially developed for the coating of textiles and glassfibre fabrics.

Key Features and Benefits

Vulcanisates consisting of **Silopren LSR 2530** are distinguished by the following properties:

- low viscosity
- excellent thermal stability
- high stability and flexibility at low temperatures
- good rubber-like properties
- long service life at dynamic stress
- high stability to ozone and ultraviolet light
- outstanding resistance to ageing
- excellent dielectric behaviour over a wide range of temperatures
- not readily combustible, does not melt or drip
- easy pigmentable with the LSR Colour Pastes

Typical Physical Properties

<u>Typical properties of the rubber:</u>			
		A-part	B-part
Appearance		translucent	translucent
Viscosity in Pa.s gamma = 10 s ⁻¹ at 20 ° C	DIN 53018	60	60
The pot-life of the mixture of the two components (closed vessel) at 20 ° C is three days. Increased temperatures reduce the pot-life. <u>Typical properties of the vulcanisate:</u>			
Mixing ratio of components A : B = 1 : 1.			
Vulcanisation : 10 min. 175°C			
Density	DIN 53 479 A	g/cm ³	1.05
Shore A hardness	DIN 53 505		30
Tensile strength	DIN 53 504 S2	N/mm ²	4.0

Elongation at break	DIN 53 504 S2	%	500
Tear strength	ASTM D 624 die B	N/mm	10

Potential Applications

Because of the outstanding properties **Silopren LSR 2530** is particularly suitable for the following applications: textile coating for protective suits or conveyor belts, coating of glasfibre fabric sleeves, coating of fabrics for compensators, tents and other technical applications s.o.

Processing Recommendations

Ready-to-use mixtures (of the components A and B) are fed directly to the coating machine from the original containers by means of a metering and mixing unit. The mixture, consisting of the two components in the ratio 1:1, is applied by means of knives or cross heads as requested thickness onto the fabrics. The coated fabrics must be cured in the heating channel at temperatures of 150 - 180 ° C. The addition-crosslinking silicone rubber vulcanises free of dissociation products within a few seconds.

Containers

Silopren LSR 2530 is available in 20 kg pails and 200 kg drums.

Approvals

Meets flame retardant class UL 94 HB

Patent Status

Nothing contained herein shall be construed to imply the nonexistence of any relevant patents or to constitute a 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/contact/customer-service](https://www.momentive.com/contact/customer-service)

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

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