

LSR 2560

Low Viscosity, Textile Coating Silopren

LSR 2530, LSR 2540, LSR 2560

Product Description **LSR 2560** is a two-component liquid silicone rubber especially developed for the coating of textiles and glassfibre fabrics.

Key Performance Properties Vulcanisates consisting of **LSR 2560** 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

Applications Because of the outstanding properties **LSR 2560** is particularly suitable for the following applications: textile coating for protective suits or conveyor belts, coating of glassfibre fabric sleeves, coating of fabrics for compensators, tents and other technical applications s.o.

Typical Product Data

<u>Typical properties of the rubber:</u>			
		A-part	B-part
Appearance		translucent	translucent
Viscosity in Pas $\gamma = 10 \text{ s}^{-1}$ at 20 ° C	DIN 53018	110	110
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. at 175 ° C			
Density	DIN 53 479 A	g/cm ³	1.08
Shore A hardness	DIN 53 505		60
Tensile strength	DIN 53 504 S2	N/mm ²	7.0
Elongation at break	DIN 53 504 S2	%	300
Tear strength	ASTM D 624 die B	N/mm	7.0

Specifications Typical product data should not be used as specifications. Assistance and specifications are available by contacting Momentive Performance Materials.

Containers **LSR 2560** is available in 20 kg pails and 200 kg drums.

Instructions for Use 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.

Handling and Safety Material Safety Data Sheets are available upon request Momentive Performance Materials.

Storage and Warranty Period The individual components of **LSR 2560** have a warranty period of 6 months from the date of shipment, if stored in the original unopened containers at at room temperature (max. 27 ° C). Containers, which have been opened, must be kept tightly closed afterwards.

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