

Silopren® LSR 2540

Silicone Rubber, LSR

Momentive Performance Materials Inc.

Message:

Silopren LSR 2540 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 2540 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

Potential Applications

Because of the outstanding properties Silopren LSR 2540 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.

General Information			
Features	Good Colorability		
	Good Stability		
	Good Thermal Stability		
	Good UV Resistance		
	Low Temperature Flexibility		
	Low Viscosity		
	Ozone Resistant		
Uses	Coating Applications		
	Fabric Coatings		
	Textile Applications		
Forms	Liquid		
Processing Method	Coating		
Physical	Nominal Value	Unit	Test Method
Density	1.08	g/cm ³	DIN 53479
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A)	40		DIN 53505
Elastomers	Nominal Value	Unit	Test Method
Tensile Strength	6.50	MPa	DIN 53504
Tensile Elongation (Break)	500	%	DIN 53504
Tear Strength ¹	25.0	kN/m	ASTM D624
Flammability	Nominal Value		Test Method

Flame Rating	HB		UL 94
Thermoset	Nominal Value	Unit	Test Method
Thermoset Components			
Part A	Mix Ratio by Weight: 1.0		
Part B	Mix Ratio by Weight: 1.0		
Shelf Life (< 27°C)	77	wk	
Additional Information	Nominal Value	Unit	Test Method
Vulcanization (175°C)	10.0	min	
Uncured Properties	Nominal Value	Unit	Test Method
Color			
-- ²	Translucent		
-- ³	Translucent		
Viscosity	DIN 53018		
20°C ⁴	100	Pa·s	
20°C ⁵	100	Pa·s	
Pot Life (20°C)	4300	min	
NOTE			
1.	Die B		
2.	Part B		
3.	Part A		
4.	Part B		
5.	Part A		

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Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

