

Silopren® LSR 2620

Silicone Rubber, LSR

Momentive Performance Materials Inc.

Message:

Silopren LSR 2620 is a two-component liquid silicone rubber for injection moulding processes. Silopren LSR 2620 shows in comparison to Silopren LSR 2020 a lower viscosity, improved tear resistance and a higher reactivity. Therefore, it is also possible to reduce the vulcanisation temperature while maintaining a standard crosslinking rate. The increased reactivity does not affect the properties of the vulcanisate.

Key Features and Benefits

Vulcanisates consisting of Silopren LSR 2620 are distinguished by the following properties:

- high reactivity, lower viscosity, shorter cycle time
- excellent thermal stability
- high stability and flexibility at low temperatures
- good rubber-like properties, high tear resistance
- 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 2620 is particularly suitable for the following elastomeric articles: stoppers, vibration dampers, shoe inserts s.o.

General Information			
Features	Fast Cure		
	Fast Molding Cycle		
	Good Colorability		
	Good Mold Release		
	Good Stability		
	Good Tear Strength		
	Good Thermal Stability		
	Good UV Resistance		
	High Reactivity		
	Low Temperature Flexibility		
	Low Viscosity		
	Ozone Resistant		
	Vibration Damping		
Uses	Footwear		
Forms	Liquid		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.08	g/cm ³	DIN 53479
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A)	24		DIN 53505
Elastomers	Nominal Value	Unit	Test Method

Tensile Strength	5.00	MPa	DIN 53504
Tensile Elongation (Break)	600	%	DIN 53504
Tear Strength ¹	20.0	kN/m	ASTM D624
Compression Set (175°C, 22 hr)	20	%	DIN 53517
Thermoset	Nominal Value	Unit	Test Method
Thermoset Components			
Part A	Mix Ratio by Weight: 1.0		
Part B	Mix Ratio by Weight: 1.0		
Post Cure Time (200°C)	4.0	hr	
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	150	Pa·s	
20°C ⁵	150	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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