Silopren® LSR 2610

Silicone Rubber, LSR

Momentive Performance Materials Inc.

Message:

Silopren LSR 2610 is a two-component liquid silicone rubber for injection moulding processes. Silopren LSR 2610 shows in comparison to Silopren LSR 2010 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 2610 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 2610 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	1.04	g/cm³	DIN 53479

Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A)	16		DIN 53505

Elastomers	Nominal Value	Unit	Test Method

Tensile Strength	2.90	MPa	DIN 53504
Tensile Elongation (Break)	560	%	DIN 53504
Tear Strength [1]	18.0	kN/m	ASTM D624
Compression Set (175°C, 22 hr)	12	%	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]	67	Pa·s	
20°C [5]	90	Pa·s	
Pot Life (20°C)	4300	min	
NOTE			
1.	Die B		
2.	Part B		
3.	Part A		
4.	Part B		
5.	Part A		

Recommended distributors for this material

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