

Silopren® LSR 2651

Silicone Rubber, LSR

Momentive Performance Materials Inc.

Message:

Silopren LSR 2651 TP 3731 is a two-component liquid silicone rubber for injection moulding processes.Silopren LSR 2651 TP 3731 shows in comparison to Silopren LSR 2650 as non post-cure grade (NPC grade)a lower compression set after vulcanisation.

Key Features and Benefits

Vulcanisates consisting of Silopren LSR 2651 TP 3731 are distinguished by the following properties:

- non post-cure
- high reactivity
- excellent thermal stability
- high stability and flexibility at low temperatures
- good rubber-like properties, high tear resistance
- 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 2651 TP 3731 is particularly suitable for the following elastomeric articles: sealing elements, O-rings, stoppers, diaphragms, keypads, bellows,vibration dampers, switch cover, spark plug boots, cable connectors s.o.

General Information			
Features	Good Colorability		
	Good Stability		
	Good Tear Strength		
	Good Thermal Stability		
	Good UV Resistance		
	High Reactivity		
	Low Temperature Flexibility		
	Ozone Resistant		
	Vibration Damping		
Uses	Connectors		
	Diaphragms		
	Seals		
Forms	Liquid		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.12	g/cm³	DIN 53479
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A)	50		DIN 53505
Elastomers	Nominal Value	Unit	Test Method
Tensile Strength	9.50	MPa	DIN 53504

Tensile Elongation (Break)	650	%	DIN 53504
Tear Strength ¹	45.0	kN/m	ASTM D624
Compression Set (175°C, 22 hr)	25	%	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		
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	450	Pa·s	
20°C ⁵	450	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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