

Silopren® LSR 2010

Silicone Rubber, LSR

Momentive Performance Materials Inc.

Message:

Silopren LSR 2010 TP 3740 is a standard two-component liquid silicone rubber for injection molding processes. Because of its excellent processing properties it can be used for a wide range of applications.

Key Features and Benefits

Vulcanisates consisting of Silopren LSR 2010 TP 3740 are distinguished by the following properties:

- high transparent
- high thermal stability
- excellent stability and flexibility at low temperatures
- high stability to ozone and ultraviolet light
- outstanding resistance to ageing
- excellent dielectric behavior over a wide range of temperatures
- not readily combustible, does not melt or drip
- easy-pigmentable with LSR Colour Pastes

Potential Applications

Because of the outstanding properties Silopren LSR 2010 TP 3740 is particularly suitable for the following elastomeric articles: stoppers, vibration dampers, shoe inserts s.o.

General Information			
Features	Good Colorability		
	Good Processability		
	Good Stability		
	Good Thermal Stability		
	Good UV Resistance		
	High Clarity		
	Low Temperature Flexibility		
	Ozone Resistant		
	Vibration Damping		
Uses	Footwear		
Appearance	Clear/Transparent		
Forms	Liquid		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.07	g/cm ³	DIN 53479
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A)	8		DIN 53505
Elastomers	Nominal Value	Unit	Test Method
Tensile Strength	2.50	MPa	DIN 53504
Tensile Elongation (Break)	970	%	DIN 53504
Tear Strength ¹	6.00	kN/m	ASTM D624
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)	51	wk	
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	70	Pa·s	
20°C ⁵	70	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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