

Silopren® LSR 4640FC

Silicone Rubber, LSR
Momentive Performance Materials Inc.

Message:

Silopren LSR 4600 FC liquid silicone rubber is a family of platinum catalyzed fast cure two-component liquid silicone rubber offered in a variety of different durometers. With faster cure at lower temperatures such as 100°C, it is an excellent candidate to consider for injection molding onto lower temperature substrates such as polycarbonate.

- Key Features and Benefits
- fast cure at low temperatures
 - long pot life
 - UV resistance
 - ISO 10993/USP Class VI tested(a)
 - low viscosity
 - chemical resistance
 - high tear strength
- Potential Applications
- respiratory/anesthesia masks
 - wound drain bulbs
 - surgical devices
 - diagnostics
 - imaging
 - fluid and drug delivery
 - thermoplastic overmolding

General Information			
Features	Fast Cure		
	Good Chemical Resistance		
	Good Tear Strength		
	Good UV Resistance		
	Low Viscosity		
Uses	Medical/Healthcare Applications		
	Overmolding		
Agency Ratings	ISO 10993		
	USP Class VI		
Forms	Liquid		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.10	g/cm ³	DIN 53479
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A)	36		DIN 53505
Elastomers	Nominal Value	Unit	Test Method
Tensile Strength	8.00	MPa	DIN 53504
Tensile Elongation (Break)	700	%	DIN 53504

Tear Strength ¹	30.0	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		
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	250	Pa·s	
20°C ⁵	250	Pa·s	
Pot Life (20°C)	2900	min	
NOTE			
1.	Die B		
2.	Part B		
3.	Part A		
4.	Part B		
5.	Part A		

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