

Silopren® LSR 4030

Silicone Rubber, LSR

Momentive Performance Materials Inc.

Message:

Silopren LSR 4030 is a two-component liquid silicone rubber for injection moulding processes. Silopren LSR 4030 can be used to produce medical technical articles with high transparency and excellent rubber like properties.

Key Features and Benefits

Vulcanizates consisting of Silopren LSR 4030 are distinguished by the following properties:

- high stability to ozone and ultraviolet light
- neutral odour and taste
- sterilisable with ethylen oxide, steam and gamma radiation
- good transparency
- high thermal stability
- high recovery after puncture
- easy pigmentable with the LSR Colour Pastes

Potential Applications

Because of the outstanding properties Silopren LSR 4030 is particularly suitable for the following elastomeric articles:

- sealing elements,
- O-rings, diaphragms,
- bellows, catheters,
- baby teats,
- respiratory devices,
- vibration dampers,
- mats,
- parts for medical technical equipments.

General Information	
Features	Ethylene Oxide Sterilizable
	Fast Cure
	Fast Molding Cycle
	Good Colorability
	Good Mold Release
	Good Thermal Stability
	Good UV Resistance
	High Clarity
	Low to No Odor
	Low to No Taste
	Ozone Resistant
	Radiation Sterilizable
	Steam Sterilizable
	Vibration Damping
Uses	Diaphragms
	Medical/Healthcare Applications
	Seals
Agency Ratings	BfR Food Contact, Unspecified Rating

FDA 21 CFR 177.2600

ISO 10993

USP Class VI

Appearance	Clear/Transparent		
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)	31		DIN 53505
Elastomers	Nominal Value	Unit	Test Method
Tensile Strength	8.00	MPa	DIN 53504
Tensile Elongation (Break)	800	%	DIN 53504
Tear Strength ¹	18.0	kN/m	ASTM D624
Compression Set (175°C, 22 hr)	15	%	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	350	Pa · s	
20°C ⁵	350	Pa · s	
Pot Life (20°C)	4300	min	
NOTE			
1.	Die B		
2.	Part B		
3.	Part A		
4.	Part B		
5.	Part A		

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection. All rights belong to the original authors. If any infringement occurs, please contact us immediately.

Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

