

Silopren® LSR 2345/06

Silicone Rubber, LSR

Momentive Performance Materials Inc.

Message:

Silopren LSR 2345/06 TP 3585 is a electrically conductive two-component liquid silicone rubber for injection moulding processes.

Key Features and Benefits

Vulcanisates consisting of Silopren LSR 2345/06 TP 3585 are distinguished by the following properties:

- electrically conductive
- excellent thermal stability
- high stability and flexibility at low temperatures
- good rubber-like properties
- outstanding resistance to ageing
- not readily combustible, does not melt or drip

Potential Applications

Because of the outstanding properties Silopren LSR 2345/06 TP 3585 is particularly suitable for the following elastomeric articles: electrodes, field control elements, cable terminals, cable connectors, high voltage plugs, sealing elements s.o.

General Information			
Features	Electrically Conductive		
	Good Stability		
	Good Thermal Stability		
	Low Temperature Flexibility		
Uses	Connectors		
	Plugs		
	Seals		
Forms	Liquid		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.08	g/cm ³	DIN 53479
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A)	40		DIN 53505
Elastomers	Nominal Value	Unit	Test Method
Tensile Strength	7.00	MPa	DIN 53504
Tensile Elongation (Break)	650	%	DIN 53504
Tear Strength ¹	40.0	kN/m	ASTM D624
Electrical	Nominal Value	Unit	Test Method
Volume Resistivity	45	ohms · cm	DIN 53482
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 (2 to 10°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	Black		
-- 3	Black		
Viscosity			DIN 53018
20°C ⁴	550	Pa·s	
20°C ⁵	550	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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