Silopren® LSR 2752

Silicone Rubber, LSR

Momentive Performance Materials Inc.

Message:

Silopren LSR 2752 is a two-component, selfbonding liquid silicone rubber for injection moulding processes showing primerless adhesion to a wide range of substrates (e.g. engineering plastics, metals) without adhesion to the mould during manufacturing.
Key Features and Benefits
primerless adhesion to many substrates without necessity of any special mould treatment
high thermal stability
excellent stability and flexibility at low temperatures
long service life at dynamic stress
good rubber-like properties
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
Due to the selfbonding properties SiloprenLSR 2752 is the optimal choice for the production of multi component articles in a cost efficient integrated process (multi component injection moulding, overmoulding). Because of the outstanding properties SiloprenLSR 2752 is particularly suitable for the manufacturing of soft/rigid combinations out of engineering plastics and Silopren LSR e.g. sealing elements, membranes, shower heads or wherever a gasket is needed on a thermoplastic substrate.

General Information			
Features	Good Adhesion		
	Good Colorability		
	Good Stability		
	Good Thermal Stability		
	Good UV Resistance		
	Low Temperature Flexibility		
	Ozone Resistant		
Uses	Gaskets		
	Membranes		
	Overmolding		
	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)	52		DIN 53505
Elastomers	**Nominal Value**	**Unit**	**Test Method**
Tensile Strength	8.50	MPa	DIN 53504
Tensile Elongation (Break)	450	%	DIN 53504

Tear Strength [1]	38.0	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		
Post Cure Time (200°C)	4.0	hr	
Uncured Properties	**Nominal Value**	**Unit**	**Test Method**
Color			
-- [2]	Translucent		
-- [3]	Translucent		
Viscosity			DIN 53018
20°C [4]	650	Pa·s	
20°C [5]	650	Pa·s	
Curing Time (175°C)	0.17	hr	
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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