

# Silopren® LSR 2750

Silicone Rubber, LSR

Momentive Performance Materials Inc.

## Message:

Silopren LSR 2750 TP 3824 is a two-component liquid silicone rubber for injection moulding, which offers primer-less adhesion to a wide range of substrates including metals and engineering plastics, but without adhesion to the mould. Full bond strength is reached after a short post cure (e.g. 1 h at 100°C) or by longer storage at room temperature. This makes Silopren LSR 2750 TP 3824 the optimal choice for cost-efficient manufacturing of high numbers of articles in integrated processes such as multi-component injection moulding or insert-moulding.

### Key Features and Benefits

Primer-less adhesion to many substrates

No special mould treatment needed: Final adhesion builds up with time

High temperature stability

Excellent stability and flexibility at low temperatures

Outstanding ageing behavior and weathering resistance

Good dielectric and mechanical properties

Easy pigmentable due to translucent colour

### Potential Applications

Silopren LSR 2750 TP 3824 is particularly suitable for the manufacturing of parts, where engineering plastics and elastomeric materials need to be combined in an overmoulding or co-moulding process such as sealing elements, automotive connectors, membranes, vibration dampening elements, etc. Parts made from Silopren LSR 2750 TP 3824 can generally be used in technical applications without post-cure, but do not comply with regulations applicable for parts, which are intended for the pharmaceutical or food industry.

General Information			
Features	Good Adhesion		
	Good Colorability		
	Good Stability		
	Good Thermal Stability		
	Good Weather Resistance		
	Low Temperature Flexibility		
	Vibration Damping		
Uses	Automotive Applications		
	Connectors		
	Membranes		
	Overmolding		
	Seals		
Forms	Liquid		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.12	g/cm <sup>3</sup>	DIN 53479
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A)	50		DIN 53505
Elastomers	Nominal Value	Unit	Test Method
Tensile Strength	9.50	MPa	DIN 53504

Tensile Elongation (Break)	650	%	DIN 53504
Tear Strength <sup>1</sup>	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		
Uncured Properties	Nominal Value	Unit	Test Method
Color			
-- <sup>2</sup>	Translucent		
-- <sup>3</sup>	Translucent		
Viscosity			DIN 53018
20°C <sup>4</sup>	600	Pa · s	
20°C <sup>5</sup>	600	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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#### Recommended distributors for this material

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