

## Momentive Performance Materials Silopren<sup>®</sup>,ç LSR 3696/20 Liquid Silicone Rubber - Self-Lubricating / Ultra Low Compression Set

Category : Polymer , Thermoset , Rubber or Thermoset Elastomer (TSE) , Silicone , Silicone Rubber

### Material Notes:

This LSR elastomer is a self-lubricating, ultra low compression set, two-component, platinum (addition/heat) curable, and pumpable silicone elastomer that can be molded and cured with very fast cycle times, at elevated temperatures. The molding process allows for complex part geometry and exact dimensions. LSR elastomers are generally suitable for short cycle time injection and full automatic flash-less processing. Color pastes are available to pigmenting addition cure productions of LSR's. All LSR grades are platinum cured materials which are mixed in a 1:1 ratio by weight. Industries and Applications: The Momentive portfolio of products is used for a wide variety of applications in the Automotive, Aviation and Aerospace, Consumer Goods, Consumer Electronics, Healthcare and Energy Industries.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Momentive-Performance-Materials-Silopren-LSR-369620-Liquid-Silicone-Rubber-Self-Lubricating-Ultra-Low-Compression-Set.php](http://www.lookpolymers.com/polymer_Momentive-Performance-Materials-Silopren-LSR-369620-Liquid-Silicone-Rubber-Self-Lubricating-Ultra-Low-Compression-Set.php)

Physical Properties	Metric	English	Comments
Specific Gravity	1.07 g/cc	1.07 g/cc	
Linear Mold Shrinkage	0.027 cm/cm	0.027 in/in	vulcanized 10 sec at 200Â°C; Without post-cure
	0.035 cm/cm	0.035 in/in	vulcanized 10 sec at 200Â°C then post-cured

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	21	21	
Tensile Strength	7.00 MPa	1020 psi	
Elongation at Break	730 %	730 %	
Tear Strength	12.0 kN/m	68.5 pli	Die B
Compression Set	20 %	20 %	Post cured

Optical Properties	Metric	English	Comments
Transmission, Visible	20 %	20 %	translucent; thickness unknown

Processing Properties	Metric	English	Comments
Nozzle Temperature	20.0 Â°C	68.0 Â°F	cool nozzle and cylinder to prevent premature vulcanization
Mold Temperature	140 - 230 Â°C	284 - 446 Â°F	short vulcanization time required (a few seconds)
Injection Pressure	5.00 - 15.0 MPa	725 - 2180 psi	depends on feed channel

Processing Properties	Metric	Pa	English	Comments
<b>Descriptive Properties</b>				
		Value		Comments
Appearance		Translucent		

## Contact Songhan Plastic Technology Co.,Ltd.

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