



LSR 7060

Transparent Liquid Silicone Rubber for Injection Molding

Product Description

LSR 7060 liquid silicone rubber is a 60-duro transparent two-component liquid silicone rubber for injection molding. The product is designed to be used in a 1:1 mix ratio and typically cures rapidly to a high strength elastomer by heating.

Key Features and Typical Benefits

- Excellent transparency
- Excellent injection moldability

Typical Physical Properties

Uncured Properties		LSR 7060 A Liquid Silicone Rubber	LSR 7060 B Liquid Silicone Rubber
Appearance		Transparent	Transparent
Viscosity (23°C)	Pa·s (P)	56 (560)	32 (320)
Mix Ratio by Weight		1:1	
CURED PROPERTIES (Press Cure 15 min @ 170°C)			
Density (23°C)	g/cm ³	1.01	
Hardness (Type A)		60	
Tensile Strength	MPa (kgf/cm ²)	6.7 (68)	
Elongation	%	380	
Tear Strength (Crescent)	N/mm (kgf/cm)	13 (13)	
Refractive Index (n _D ²⁵)		1.406	

Typical property data values should not be used as specifications.

Potential Applications

- Packing, O-ring, keypad, switch cover and sport goggle



**Instructions
for Use**

- Ready-to-use mixtures (of the components A and B) are fed directly to the injection molding machine from the original containers by means of a metering and mixing unit. The mixture, consisting of the two components in the ratio 1:1, is injected into the heated mold. At mold temperatures of 140-200°C, the mixture typically cures within a few seconds with no byproducts. High curing speed and ease of demolding generally permit fully automated production of large numbers of articles in short cycle times.
- Although the viscosity of the mixture will be increased without heating, it usually can be injected for two days at 20°C. When stopping the machine for more days, clean the residual substance in the equipment with an appropriate solvent.

Note: Materials such as water, sulfur, nitrogen compounds, organic metallic salts, phosphorus compounds, etc. contained in the surface of the substrate can inhibit curing. It is recommended that a preliminary test be performed to determine the compatibility.

Patent Status

Nothing contained herein shall be construed to imply the nonexistence of any relevant patents or to constitute the permission, inducement or recommendation to practice any invention covered by any patent, without authority from the owner of the patent.

**Product Safety,
Handling and
Storage**

Customers considering the use of this product should review the latest Material Safety Data Sheet and label for product safety information, handling instructions, personal protective equipment if necessary, and any special storage conditions required. Material Safety Data Sheets are available at www.momentive.com or, upon request, from any Momentive Performance Materials representative. Use of other materials in conjunction with Momentive Performance Materials products (for example, primers) may require additional precautions. Please review and follow the safety information provided by the manufacturer of such other materials.

Limitations

Customers must evaluate Momentive Performance Materials products and make their own determination as to fitness of use in their particular applications.



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LSR 7060



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