LUMISIL® LR 7600/70 A/B

Silicone

Wacker Chemie AG



Technical Data

Product Description

LIQUID SILICONE RUBBER

Liquid silicone rubbers of the LUMISIL® LR 7600 series are paste-like, two component compounds with short curing times. The vulcanizates are noted for their very high optical transparency and excellent mechanical and electrical properties.

Properties

- The products can be used at temperatures down to -55 °C and even above +150 °C. The outstanding optical transparency extends over a broad range of the visible spectrum and exceeds the transparency of polycarbonate or polymethylmethacrylate. The refractive index nD25 is in the range of 1.41.
- In contrast to standard ELASTOSIL® LR grades, the hardness in the product name of LUMISIL® LR 7600/70 A/B reflects the hardness of vulcanized articles in the non-post cured state. Depending on the injection molding parameters, the geometry of the final parts and the post curing conditions, hardness increases after post curing in the range of 5 to 12 points.

Application

Comence

• These grades are particularly suitable for the economical production of large series of injection molded articles with excellent optical transparency. Parts made from LUMISIL® LR 7600/70 A/B can be used for technical applications. If these articles are also suitable for use in conjunction with foodstuffs is currently under evaluation.

Seneral			
Material Status	 Commercial: Active 		
Literature ¹	Technical Datasheet (English)		
Search for UL Yellow Card	Wacker Chemie AG		
Availability	 Africa & Middle East Asia Pacific	EuropeLatin America	North America
Features	 Good Electrical Properties 	 Good Optical Properties 	High Clarity
Uses	• LEDs • Lenses	Lighting ApplicationsOptical Applications	 Transparent or Translucent Parts Transparent Parts
Processing Method	 Injection Molding 	 Liquid Injection Molding (LIN) 	Л)

Nominal Value Unit	Test Method
Transparent, High	
1.05 g/cm ³	ISO 1183
	DIN 53019
45 Pa·s	
41 Pa·s	
Nominal Value Unit	Test Method
70	DIN 53505
9.00 MPa	DIN 53504-S1
90 %	DIN 53504-S1
10.0 kN/m	ASTM D624B
	Transparent, High 1.05 g/cm³ 45 Pa·s 41 Pa·s Nominal Value Unit 70 9.00 MPa 90 %

Notes

¹ These links provide you with access to supplier literature. We work hard to keep them up to date; however you may find the most current literature from the supplier.

² Typical properties: these are not to be construed as specifications.

³ shear rate 1 1/s

⁴ shear rate 10 1/s



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LUMISIL® LR 7600/70 A/B Silicone

Wacker Chemie AG

Where to Buy

Supplier

Wacker Chemie AG Munich, Germany

Web: http://www.wacker.com/cms/en/wacker group/services/infoservice/infoservice.jsp

Distributor

Please contact the supplier to find a distributor for LUMISIL® LR 7600/70 A/B



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