# LUMISIL® LR 7600/60 A/B

#### Silicone

## Wacker Chemie AG

### Message:

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 7600/60 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

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 7600/60 A/B can be used for technical applications. If these articles are also suitable for use in conjunction with foodstuffs is currently under evaluation.

Features   Good Electrical Properties   High Claity     Opticals   Opticals     Uses   EDs     Lanse   High Claity     Optical Source   Highting Applications     Optical Applications   Transparent or Translucent Parts     Processing Method   Injection Molding     Universe   Neminal Vance     Verses   Injection Molding (LHV)     Verses   Transparent Parts     Verses   Neminal Vance     Processing Method   Neminal Vance     Insparent Parts   Source     Verses   Injection Molding (LHV)     Verses   Transparent High     Source   Insparent High     Insparent High   Insparent Parts     Insparent High   Insparent High     In-1   Anone   Parenet     Insparent High   Insparent     Insp	General Information			
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	Tensile Strength	6.30	MPa	DIN 53504-S1
Tear Strength 18.0 kN/m ASTM D624B	Tensile Elongation at Break	220	%	DIN 53504-S1
	Tear Strength	18.0	kN/m	ASTM D624B

NOTE	
1.	shear rate 10 1/s
2.	shear rate 1 1/s

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