ELASTOSIL® RT 779

Silicone

Wacker Chemie AG

Message:

RTV-2 SILICONE SEALANT/ADHESIVE

ELASTOSIL® RT 779 is a two-part, non-slump, room temperature vulcanizing silicone rubber showing an outstanding oil resistance and an excellent primerless

adhesion on polyamide and aluminum. The performance of ELASTOSIL® RT 779 has been tested in cooperation with the INPRO GmbH, Berlin, Germany. Results are available on request.

Special features

outstanding oil resistance

high thermal resistance

thixotropic, non-sag

low risk of inhibition

primerless adhesion on many substrates, espescially Aluminum and PA

Application

Special FIPG-grade for the glueing and sealing of assemblies with oil contact, e.g. engine housings.

Processing

All surfaces must be clean and dry to allow optimum adhesion.

The two components can be processed and mixed by the use of standard pumps and static mixers. The ratio of mixed volumes and the extruded quantity has to be chosen adequately to avoid partially cure in the static mixer.

ELASTOSIL® RT 779 is processed in combination with Catalyst T 79. The curing time can be easily adjusted to the particular needs by varying the ratio of component A and B. We recommend running preliminary tests to optimize conditions for the particular application. Comprehensive processing instructions are given in our leaflet "Wacker RTV-2 Silicone Rubber -Processing".

Features Good Adhesion Good Thermal Stability High Heat Resistance Oil Resistant Uses Automotive Applications Bonding Sealants Processing Method Heat Reactive Adhesive Uncured Properties Nominal Value Unit Color White Density (25°C) 1.38 25°C ¹ 150 150 Pa·s 25°C ² 300 Solo Pa·s 25°C ² 300 Pa·s Cured Properties Nominal Value Unit Cured Properties Nominal Value Unit Tensile Elementing 50 150 868 Tensile Elementing Allower (Shore A) 50 150 37	General Information			
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Tensile Strength2.80MPaISO 37	Cured Properties	Nominal Value	Unit	Test Method
	Shore Hardness (Shore A)	50		ISO 868
Tencile Florgation at Break 250 % ISO 37	Tensile Strength	2.80	MPa	ISO 37
	Tensile Elongation at Break	250	%	ISO 37

Tear Strength	9.50	kN/m	ASTM D624B
NOTE			
1.	Shear rate = 25 1/S		
2.	Shear rate = 0.5 1/S		

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