

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, especially 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".

General Information			
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	Test Method
Color	White		
Density (25°C)	1.38	g/cm ³	DIN 53217
Viscosity	DIN EN ISO 3219		
25°C ¹	150	Pa · s	
25°C ²	300	Pa · s	
Cured Properties	Nominal Value	Unit	Test Method
Shore Hardness (Shore A)	50		ISO 868
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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