

Techsil® RTV27905

Silicone Rubber, RTV-2

Techsil Limited

Message:

Techsil RTV27905 is one of a family of soft, adherent, clear silicone elastomeric gels designed for the encapsulation and protection of electronic components. It is a low viscosity, 2 component system that is readily mixed in a 1:1 ratio. RTV27905 is the softest gel in this group of products. It is used to provide protection from vibration, thermal or mechanical shock. RTV27905 has excellent dielectric properties and also gives excellent protection from water and many environmental contaminants.

Advantages:

The following describes some of the properties offered by RTV27905:

Low viscosity

Soft but resilient

Simple 1:1 ratio mix

Excellent pot life and curing characteristics

Excellent adhesion to many substrates

Flexible down to -55°C

Suitable up to +200°C

General Information		
Features	Flexibility at low temperatures	
	Low viscosity	
	Earthquake resistance	
	Good adhesion	
	Soft	
	Room temperature vulcanization	
	Elastic	
Uses	Encapsulant	
	Electrical/Electronic Applications	
Appearance	Clear/transparent	
Forms	Gel	
Processing Method	Enclosure	
Additional Information	Nominal Value	Unit
Penetration Depth	3.00 - 7.00	mm
Volatiles		%
Uncured Properties	Nominal Value	Unit
Mix Ratio by Weight (PBW)		
Part A	1.0	
Part B	1.0	
Mix Ratio by Volume (PBV)		
Part A	1.0	
Part B	1.0	
Density (25°C)	0.970	g/cm³

Viscosity	1.0	Pa·s
Curing Time		
150°C	0.50	hr
100°C	1.0	hr
25°C	20	hr
Pot Life	45	min
Cured Properties	Nominal Value	Unit
Electric strength	> 18	kV/mm
Volume Resistivity	2.1E+15	ohms·cm

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