

INSULCAST® RTVS 16

Silicone Rubber, RTV-2

ITW Polymers Coatings North America

Message:

RTVS 16 is a multi-purpose casting/encapsulating, potting and sealing compound. RTVS 16 has been used successfully to protect electronic components, assemblies and delicate systems. RTVS 16 exhibits excellent electrical properties, low temperature flexibility and high temperature stability. A variety of catalysts are available for different cure situations.

General Information			
Features	General Purpose		
	Good Electrical Properties		
	Low Temperature Flexibility		
Uses	General Purpose		
	Seals		
Processing Method	Casting		
	Encapsulating		
	Potting		
Hardness	Nominal Value		Test Method
Durometer Hardness (Shore A)	60		ASTM D2240
Elastomers	Nominal Value	Unit	Test Method
Tensile Strength	5.52	MPa	ASTM D412
Tensile Elongation (Break)	130	%	ASTM D412
Tear Strength ¹	7.01	kN/m	ASTM D624
Thermal	Nominal Value	Unit	
CLTE - Flow	2.1E-4	cm/cm/°C	
Thermal Conductivity	0.31	W/m/K	
Service Temperature	-55 to 260	°C	
Linear Shrinkage	0.20 to 0.50	%	
Electrical	Nominal Value	Unit	Test Method
Volume Resistivity	1.0E+15	ohms · cm	ASTM D257
Dielectric Strength	20	kV/mm	ASTM D149
Dielectric Constant (1 kHz)	3.70		ASTM D150
Dissipation Factor (1 kHz)	0.020		ASTM D150
Thermoset	Nominal Value	Unit	Test Method
Shelf Life (25°C)	26	wk	
Uncured Properties	Nominal Value	Unit	Test Method
Color	Red		
Density	1.43	g/cm ³	

Viscosity	20 to 30	Pa·s	ASTM D2393
Curing Time (25°C)	24	hr	
NOTE			
1.	Die B		

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