

POLYCAST INDUSTRIES, INC.

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RTV – 816 General Purpose Silicone Potting/ Encapsulant

Description:

RTV-816 is a general purpose potting, encapsulant, and molding material. RTV-816 offers excellent low and high temperature stability.

Properties:		Part-A	Part-B
Color		Red	Clear
Viscosity, CPS		25,000	100
Specific Gravity		1.43	.98
Mix Ratio (by weight)	100:0.1-0	.5 by weight	
Mixed Viscosity, CPS	25,000	,	
Pot Life @ 72° F, min.	Varies		
Shelf Life @ 72° F, months	6		
Hardness, Durometer Shore A	60		
Tensile Strength, PSI	800		
Tensile Elongation, %	120		
Tear Strength, ppi	30		
Service Temperature Range, °C	-54 to 260		
Coefficient of Expansion, (cm/cm-°C)	21x10 ⁻⁵		
Dielectric Strength, Volts/Mil	500		
Dielectric Constant 100 HZ	3.6		
Dissipation Factor 60 HZ	0.02		
Volume Resistivity, ohm-cm	1×10^{15}		
Shrinkage, after 3days, %	0.6		
Thermal Conductivity, BTU in/ft 2 hr ° F	2.3		

Use Instructions:

Pre-mix RTV-816 Base thoroughly. Weigh out the required amount and add the required amount of Catalyst. Mix thoroughly scraping both the bottom and sides of the mixing container. Evacuate the air and then apply.

Cure Schedule:

24 hours @ room temperature

Pot Life and cure is dependent on temperature & humidity.

Ideal conditions: 68-78°F (20-26°C)

40-60% relative humidity