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RTV – 793

HIGH THERMALLY CONDUCTIVE SILICONE

DESCRIPTION

RTV-793 is an addition cure, flame retardant, RTV silicone rubber. It has high thermal conductivity, low shrinkage, and excellent heat resistance. RTV-793 is suited for commercial potting and encapsulation applications. It has good overall properties, can be cured rapidly at elevated temperatures, is odorless, and non-toxic. It contains no by-products, and is non-allergenic.

PROPERTIES	Part-A	Part-B
Color	Asst.	Clear
Viscosity, CPS	25,000	300
Specific Gravity	2.25	0.98
Mix Ratio (by weight)	100:5	
Mixed Viscosity, CPS	8000	
Pot Life @ 72° F, hrs.	45	
Shelf Life @ 72° F, months	12	
Hardness, Durometer Shore A	70	
Tensile Strength, PSI	650	
Tensile Elongation, %	70	
Tear Strength, Die B lb/in.	28	
Linear Shrinkage, %	0.1	
Service Temperature Range, °C	-54 to 260	
Coefficient of Expansion, ° C	17×10^{-5}	
Dielectric Strength, Volts/Mil	450	
Dielectric Constant 100 HZ	3.4	
Dissipation Factor 60 HZ	0.001	
Volume Resistivity, ohm-cm	1×10^{14}	
Thermal Conductivity, BTU in/ft 2 hr ° F	10	

USE INSTRUCTIONS

Pre mix RTV-793 thoroughly. Weigh out the required amount of Part A and add the required amount of Part B. Mix thoroughly scraping both the bottom and sides of the mixing container. Evacuate the air and then apply.

CURE SCHEDULE

24 hours @ room temperature

4 hours @ 150°F

Pot Life and cure is dependent on temperature

Ideal conditions: 68-78°F (20-26°C)

40-60% relative humidity