



POLYCAST INDUSTRIES, INC.
130 South 2nd Street • North Bay Shore, NY 11706
631-595-2530 • Fax: 631-595-253 • 800-486-3512
www.polycastindustries.com • info@polycastindustries.com

RTV - 849

Thermally Conductive Silicone

Description:

RTV-849 is a general purpose condensation cure RTV silicone rubber. RTV-849 has high heat and vibration resistance, as well as exceptional thermal conductivity. Major application areas include potting, high temperature molding, rollers, and print pads.

Properties:

	Part-A	Part-B
Color	Red	Clear
Viscosity, CPS	50,000	100
Specific Gravity	2.2	.98
Mix Ratio (by weight)		100:5
Mixed Viscosity, CPS		40,000
Pot Life @ 72° F, min.		45-60
Shelf Life @ 72° F, months		6
Hardness, Durometer Shore A		73
Tensile Strength, PSI		590
Tensile Elongation, %		100
Tear Strength, ppi		25
Service Temperature Range, °C		-54 to 260
Coefficient of Expansion, (cm/cm-°C)		68x10 ⁻⁶
Dielectric Strength, Volts/Mil		550
Dielectric Constant 100 HZ		4.7
Dissipation Factor 60 HZ		0.01
Volume Resistivity, ohm-cm		1 x 10 ¹⁴
Shrinkage, after 3days, %		.06
Thermal Conductivity, BTU in/ft 2 hr ° F		9

Use Instructions:

Pre-mix RTV-849 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