



POLYCAST INDUSTRIES, INC.

130 South 2nd Street • N. Bay Shore, NY 11706

631-595-2530 • Fax: 631-595-2537 • 800-486-3512

www.polycastindustries.com • info@polycastindustries.com

RTV - 723

Lightweight Silicone Elastomer

Description:

RTV-723 is an addition cure, syntactic foam RTV silicone. RTV-723 exhibits excellent flow properties and low density. Applications include roller manufacture and potting electronics requiring low dielectric constant and low capacitance. RTV 723 has found use in the aircraft and aerospace industries, as well as nautical applications.

Properties:

		Part-A	Part-B
Color		White	White
Viscosity, CPS		2,500	2,000
Specific Gravity		0.70	0.70
Mix Ratio (by weight or volume)	1:1		
Mixed Viscosity, CPS	2,000		
Pot Life @ 72° F, min.	60		
Shelf Life @ 72° F, months	12		
Hardness, Durometer Shore A	60		
Tensile Strength, PSI	400		
Tensile Elongation, %	90		
Tear Strength, ppi	15		
Service Temperature Range, °C	-54 to 204		
Coefficient of Expansion, (cm/cm-°C)	2.2x10 ⁻⁴		
Dielectric Strength, Volts/Mil	500		
Dielectric Constant 100 HZ	3.1		
Dissipation Factor 60 HZ	0.006		
Volume Resistivity, ohm-cm	1 x 10 ¹⁵		
Shrinkage, after 3 days, %	0.1		
Thermal Conductivity, BTU-in/(ft ²)(hr)(°F)	1.2		

Use Instructions:

Pre-mix RTV-723 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. Apply material.

Cure Schedule:

24 hours @ 25°C, or 4 hours @ 65°C

Pot Life and cure is dependent on temperature & humidity.

Ideal conditions: 68-78°F (20-26°C)
40-60% relative humidity