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RTV - 720 High Tear Silicone

Description:

RTV-720 is a high tear strength, high elongation addition cure mold making RTV silicone rubber. RTV-720 has low shrinkage and reproduces the most intricate detail. Major application areas include Flexible Molding and print pads. It is low viscosity, fast cure, Outstanding release characteristics, good chemical resistance, both thick and thin section cure, odorless, non-toxic. It contains no by-products, and is non-allergenic.

Properties:

		Part-A	Part-B
Color		White/Clear/Others	Neutral/Clear
Viscosity, CPS		90,000	70,000
Specific Gravity		1.15	1.08
Mix Ratio (by weight or volume)	1:1		
Mixed Viscosity, CPS	75,000		
Pot Life @ 72° F, min.	45-60		
Shelf Life @ 72° F, months	12		
Hardness, Durometer Shore A	20±2		
Tensile Strength, PSI	500		
Tensile Elongation, %	1200		
Tear Strength, Die B lb/in.	125		
Tear Strength, Die C lb/in.	136		
Service Temperature Range, °C	-55 to 200		
Coefficient of Expansion, ° C	N/A		
Dielectric Strength, Volts/Mil	555		
Dielectric Constant 100 HZ	3.00		
Dissipation Factor 60 HZ	0.002		
Volume Resistivity, ohm-cm	1.6 x 10 ¹⁵		
Thermal Conductivity, BTU in/ft 2 hr ° F	3		

Use Instructions:

Pre mix RTV-720 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. **Once mixed do not leave in container.** Evacuate the air and then pour into the Mold.

Cure Schedule:

24 hours @ room temperature

1-2 hours @ 150°F