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RTV-2 Silicones Since 1974

GI-739

Product Information

General Information

GI-739 is a thixotropic (resistant to flow) tin catalyzed silicone designed to be used when painting *or* spraying onto vertical surfaces. **GI-739** does not contain the mold rotting thixo-additives widely used today, but offers the end user the same ease of use and detail reproducibility. When catalyzed with one of our library life extending catalysts (see supplemental products) and stored correctly, a longer life of the cured mold should be expected. Its high tear strength, elongation and tensile strength make it an excellent choice for any mold making application. It is also resistant to inhibition by most common mold making substrates, eliminating the need to use mold sealers.

Typical Properties

Uncatalyzed Compound

Color	Base: White	Activator: Teal
Viscosity (cps)	Base: 325,000 - 400,000	Activator: 900 - 1100
Mixing Ratio (B/A)	By weight: 100 / 10	By volume: 100 / 11.1
Mixed Viscosity	300,000 - 350,000	
Working Time	1 to 1.5 hours	
Cure Time	16 - 18 hours	
Shelf Life	6 months	

Vulcanized (cured) Properties (7 days @ 70° F / 50% relative humidity)

Shore A Hardness (± 4)	One day: 15	7 Days: 18
Tear Resistance (ASTM D624)	70 \pm 10 ppi	
Tensile Strength (ASTM D412)	275 \pm 25 psi	
Elongation (ASTM D412)	500 \pm 50 %	
Service Temperature ($^{\circ}$ F)	-60 to 350	
Shrinkage	0.10 %	
Specific Gravity	1.10	
Coverage (in³ / lb)	25.2	

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