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RTV-2 Silicones Since 1974

GI-1210 Product Information

General Information

GI-1210 is a high tear strength, tin-catalyzed RTV-2 silicone rubber, which was designed for casting polyester parts. **GI-1210** offers the same advantages as GI-1110 at a slightly lower viscosity. **GI-1210** is especially good for molds with deep undercuts and for molds that require flexing for part removal. **GI-1210** is not sensitive to inhibition, meaning it will cure at room temperature over virtually any surface. It is easy to mix and de-air, and will cure with only a slight degree of shrinkage. The speed at which the rubber hardens can be accelerated with special activators. Condensation cure two-component silicone rubbers are excellent for most general mold making and prototype applications. They are excellent for casting waxes, gypsum, epoxies and other plastics. **GI-1210** is extremely useful for those applications where superior elongation and low durometer are required.

Typical Properties

Uncatalyzed Compound

Color	Base: Off-white
Viscosity (cps)	Base: 10,000-20,000
Mixing Ratio (B/A)	By weight: 100 / 10
Viscosity (cps)	Mixed: 5,000-10,000
Working Time	1 to 2 hours
Cure Time	16-18 hours
Shelf Life	6 months

Activator: Blue Activator: 300-400 By volume: 100 / 10.9

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

Shore A Hardness (±4) Tear Resistance (ASTM D624)	One day: 5 75 ± 10 ppi	7 Days:
Tensile Strength (ASTM D412)	$275\pm25\mathrm{psi}$	
Elongation (ASTM D412)	$450\pm25~\%$	
Service Temperature (° F)	-60 to 340	
Shrinkage	0.10 %	
Specific Gravity	1.08	
Coverage (in ³ / lb)	25.6	
Dielectric Strength (volts/mil)	n.a.	
Dielectric Constant (@ 100 HZ)	n.a.	
Dissipation Factor (@ 100 HZ)	n.a.	
Volume Resistivity (ohms/cm)	n.a.	

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