



Silicones, Inc.

P.O. Box 363
High Point, NC 27261
Tel: 336-886-5018
Fax: 336-886-7122
www.silicones-inc.com

RTV-2 Silicones Since 1974

GI-1220

Product Information

General Information

GI-1220 is a high tear strength, tin-catalyzed RTV-2 silicone rubber, which was designed for casting polyester parts. **GI-1220** offers the same advantages of GI-1120 at a lower viscosity. **GI-1220** is especially good for molds with deep undercuts and for molds that require flexing for part removal. **GI-1220** 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-1220** is extremely useful for those applications where superior elongation and medium durometer are required.

Typical Properties

Uncatalyzed Compound

Color	Base: White	Activator: Blue
Viscosity (cps)	Base: 30,000-40,000	Activator: 300-400
Mixing Ratio (B/A)	By weight: 100 / 10	By volume: 100 / 10.9
Viscosity (cps)	Mixed: 15,000-25,000	
Working Time	1.5 to 2.5 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: 20
Tear Resistance (ASTM D624)	95 ± 10 ppi	
Tensile Strength (ASTM D412)	390 ± 25 psi	
Elongation (ASTM D412)	475 ± 25 %	
Service Temperature (° F)	-60 to 340	
Shrinkage	0.10 %	
Specific Gravity	1.08	
Coverage (in³ / 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.	

The information contained in this data sheet is, to our best knowledge, true and accurate, but all recommendations or suggestions are made without guarantee. Since the conditions of use are beyond our control, Silicones, Inc. disclaims any liability incurred in connection with the use of our products and information contained herein.