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RTV-2 Silicones Since 1974

P-60

Product Information

General Information

P-60 is a high durometer, high modulus, platinum-catalyzed, RTV-2 silicone rubber designed for casting polyurethanes and epoxies. It is easy to mix and de-air, and will cure with virtually no shrinkage. The speed at which the rubber hardens can be dramatically accelerated with heat or with **Pt Accelerator** at room temperature. Addition-cure two-component silicone rubbers may show inhibition sensitivity. **P-60** offers outstanding chemical and heat resistance and the rigidity to withstand the expansion of most polyurethane foams.

Typical Properties

Uncatalyzed Compound

Color	Base: Tan	Activator: Blue
Viscosity (cps)	Base: 130,000-160,000	Activator: 1,000-2,000
Mixing Ratio (B/A)	By weight: 100 / 10	By volume: 100 / 13.2
Viscosity (cps)	Mixed: 95,000-120,000	
Working Time	1 to 2 hours	
Cure Time	16-24 hours	
Shelf Life	6 months	

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

Shore A Hardness (±4)	One day: 58	7 Days: 62
Tear Resistance (ASTM D624)	75 ± 10 ppi	
Tensile Strength (ASTM D412)	900 ± 90 psi	
Elongation (ASTM D412)	200 ± 25 %	
Service Temperature (° F)	-60 to 650	
Shrinkage	<i>nil</i>	
Specific Gravity	1.24	
Coverage (in³ / lb)	22.4	
Dielectric Strength (volts/mil)	<i>n.a.</i>	
Dielectric Constant (@ 100 HZ)	<i>n.a.</i>	
Dissipation Factor (@ 100 HZ)	<i>n.a.</i>	
Volume Resistivity (ohms/cm)	<i>n.a.</i>	

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