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RTV-2 Silicones Since 1974

P-70

Product Information

General Information

P-70 is a high durometer, platinum-catalyzed, RTV-2 silicone rubber. 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. A two hour post-cure at 250°F will increase the hardness to 70. Addition-cure two-component silicone rubbers may show inhibition sensitivity. **P-70** 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: Green
Viscosity (cps)	Base: 140,000-160,000	Activator: 1,000-2,000
Mixing Ratio (B/A)	By weight: 100 / 10	By volume: 100 / 13.9
Viscosity (cps)	Mixed: 90,000-110,000	
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: 60	Post-Cured: 70
Tear Resistance (ASTM D624)	70 ± 10 pli		
Tensile Strength (ASTM D412)	775 ± 50 psi		
Elongation (ASTM D412)	150 ± 25 %		
Service Temperature (° F)	-60 to 650		
Shrinkage	nil		
Specific Gravity	1.34		
Coverage (in³ / lb)	20.7		
Dielectric Strength (volts/mil)	500		
Dielectric Constant (@ 100 HZ)	2.9		
Dissipation Factor (@ 100 HZ)	0.015		
Volume Resistivity (ohms/cm)	5 x 10 ¹⁴		

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