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RTV-2 Silicones Since 1974

P-268

Product Information

General Information

P-268 is a two component addition cure silicone rubber mold making material. It has a high durometer, high modulus, superb physical properties, minimal shrinkage and extreme chemical resistance making it an excellent choice for prototyping, casting urethane foam and other plastics. **P-268** also serves as an excellent choice for use in trapped rubber molding and pressure intensifier applications when working with composites.

Typical Properties

Uncatalyzed Compound

Color	Base: Tan	Activator: Blue
Viscosity (cps)	Base: 160,000 - 200,000	Activator: 400 - 600
Mixing Ratio (B/A)	By weight: 100 / 10	By volume: 100 / 13.8
Mixed Viscosity	80,000 - 110,000	
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: 70	7 Days: 70
Post Cure: (± 4)		
1 hour at 150°F		72
+ 1 hour at 250°F		75
+ 1 hour at 300°F		80
Tear Resistance (ASTM D624)		60 \pm 15 pli
Tensile Strength (ASTM D412)		800 \pm 50 psi
100% Modulus (ASTM D412)		700 \pm 50 ps
Elongation (ASTM D412)		175 \pm 25 %
Coefficient of Thermal Expansion (linear)		2.85 x 10 ⁻⁴ m/m-°C
Service Temperature (° F)		-60 to 650
Shrinkage		nil
Specific Gravity		1.30
Coverage (in ³ / lb)		21.3

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