



Silicones, Inc.

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RTV-2 Silicones Since 1974

P-592

Product Information

General Information

P-592 is a translucent, addition cure silicone designed to be used to make molds where visual inspection is required. The combination of physical integrity and high hardness make it an excellent choice for prototyping. Due to its flexibility and ease in releasing, it performs well with expandable foam systems, maintaining its shape and detail for multiple castings. **P-592** may have its cure inhibited at the interface between the mold and the master. Organo-tin compounds, sulfur and some nitrogen containing compounds can cause the inhibition.

Typical Properties

Uncatalyzed Compound

Color	Base: Translucent	Activator: Clear
Viscosity (cps)	Base: 80,000 - 110,000	Activator: 1,000 - 3,000
Mixing Ratio (B/A)	By weight: 100 / 10	By volume: 100 / 11.1
Mixed Viscosity	50,000 - 70,000	
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)	58
Tear Resistance (ASTM D624)	170 \pm 20 ppi
Tensile Strength (ASTM D412)	930 \pm 25 psi
Elongation (ASTM D412)	225 \pm 20 %
Service Temperature ($^{\circ}$ F)	-60 to 600
Shrinkage	nil
Specific Gravity	1.08
Coverage (in³ / lb)	25.6

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