



Silicones, Inc.

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RTV-2 Silicones Since 1974

P-541

Product Information

General Information

P-541 is a rapidly curing, addition cure silicone for use in life casting. Due to the speed in which this material solidifies, it is not recommended for common mold making purposes. Cure time can be accelerated with heat such as a hair dryer. To ensure the comfort of your model, use a mold release, such as petroleum jelly, on the body parts prior to applying **P-541**.

Typical Properties

Uncatalyzed Compound

Color	Base: White	Activator: Orange
Viscosity (cps)	Base: 60,000 - 80,000	Activator: 1000 - 3000
Mixing Ratio (B/A)	By weight: 100 / 10	By volume: 100 / 11.7
Mixed Viscosity	40,000 - 50,000	
Working Time	3 - 5 minutes	
Demold Time	10 - 15 minutes	
Shelf Life	6 months	

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

Shore A Hardness (± 4)	30 \pm 4
(physical data can vary due to air trapped during curing process)	
Tear Resistance (ASTM D624)	125 \pm 10 ppi
Tensile Strength (ASTM D412)	600 \pm 50 psi
Elongation (ASTM D412)	415 \pm 30 %
Service Temperature ($^{\circ}$ F)	-60 to 350
Shrinkage	0.10 %
Specific Gravity	1.13
Coverage (in³ / lb)	24.5

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