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RTV-2 Silicones Since 1974

P-537

Product Information

General Information

P-537 is a very soft, addition cure silicone designed for animatronics where small, precise movements of the robotics are required. This material is not designed for most animatronic applications as it cures with a "tacky" surface. It can be encapsulated in an addition cure silicone envelope or an extrinsic, silicone paint system. Inhibition can occur if uncured **P-537** comes into contact with organo-tin, sulfur or nitrogen containing compounds during the curing process.

Typical Properties

Uncatalyzed Compound

Color	Base: Translucent	Activator: Translucent
Viscosity (cps)	Base: 12,000 - 16,000	Activator: 900 - 1100
Mixing Ratio (B/A)	By weight: 100 / 10	By volume: 100 / 11.1
Mixed Viscosity	10,000 - 13,000	
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 00 Hardness (±4)	One day: 16	7 Days: 18
Modulus (psi)		
50%	9	
100%	9	
200%	11	

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