



Silicone & Epoxy Technology

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Set-Cast 125

Set-Cast 125 is a low viscosity easily machined, general purpose potting/casting material. .

<u>Properties-Uncured:</u>	<u>125</u>	<u>9</u>
Color, Visual	Black	Amber
Viscosity, cps	7500	55
Specific Gravity	1.55	0.97
Mix Ratio, by weight	100	6 to 7
Mixed Viscosity, cps@250 °C		3000
Pot Life @25 °C, hours		60 min
Shelf Life @25 °C, months		12

Physical Properties-Cured:

Durometer (Shore D)	80
Coefficient of Thermal Expansion, °C	48 x 10 ⁻⁶
Service Temperature, °C	105
Heat Distortion Point, °C	80
Tensile Strength. Psi	11,000
Tensile Elongation.%	2.0
Compressive Strength. psi	12,500
Flexural Strength, psi	14500
Shrinkage on cure, in/in	0.002

Electrical:

Dielectric Strength, volts/Mil	415
Dielectric Constant, 1Khz	4.2
Dissipation Factor, 1Khz	0.02
Volume Resistivity, ohm-cm	9.0 x 10 ¹⁴

Mixing Instructions: Weigh out required amount of curing system. Mix thoroughly, scraping both sides and bottom of container. Evacuate mixture at 29in.Hg for 5-10 minutes if necessary. Apply to part.

Cure Schedule : Cure Set-Cure 9 16-24 hours

See back of Data Sheet for Warranty Information

Warranty

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