

Set-Cast 125GF

Set-Cast 125 is a 100% solids epoxy system. It is a filled, low-cost, general-purpose epoxy potting and casting compound. It is a room temperature cure, has good overall properties, and is also machine dispensable.

<u>Properties-Uncured:</u>	<u>125GF</u>	<u>111B</u>
Color, Visual	Black	Amber
Viscosity, cps	7500	700
Specific Gravity	1.55	0.95
Mix Ratio, by weight	100	9-10
Mixed Viscosity, cps@250C		2500
Pot Life @25 ⁰ C, hours		2.5
Shelf Life @25 ⁰ , months		12

Physical Properties-Cured:

Durometer (Shore D)	85
Coefficient of Thermal Expansion, ⁰ C	48 x 10 ⁻⁶
Service Temperature, ⁰ C	155
Heat Distortion Point, C	155
Tensile Strength. Psi	13000
Tensile Elongation.%	2.0
Compressive Strength. psi	12,500
Flexural Strength, psi	15000

Electrical:

Dielectric Strength, volts/Mil	420
Dielectric Constant, 1Khz	4.2
Dissipation Factor, 1Khz	0.02
Volume Resistivity, ohm-cm	9.0 x 10 ¹⁴

Mixing Instruction: Weight 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 111B 2 hours at 80C, plus 1 hour at 150C.

SEE PAGE 2 OF TECHNICAL DATA SHEET FOR WARRANTY

Warranty

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