



TECHNICAL DATA SHEET

EPOXY RESIN MIL-I-16923

PRODUCT DESCRIPTION

Meets MIL-I-16923 Type B, C and D..

TYPICAL SPECIFICATIONS

(1).	Viscosity Resin, 25 Deg. C cps	32,500	
(2).	Mixed Viscosity, 25 Deg. C cps		4,000
(3).	Specific Gravity 25 Deg. C/25 Deg C, mixed		1.45
(4).	Hardness, Shore D		88
(5).	Cure Shrinkage in\in		.0015
(6).	Tensile Strength, psi		9,200
(7).	Compressive Strength, psi		15,500
(8).	Operating Temp. Range, Deg. C		-55 to +155
(9).	Dielectric Strength, Volts/Mil		450
(10).	Dielectric Constant at 1 MHZ		3.8
(11).	Volume Resistivity, OHM-CM		>10 ¹⁴
(12).	Dissipation Factor, 1 MHZ		.02
(13).	Water Absorption, %(24 Hr.)		0.1
(14).	Thermal Conductivity, BTU/hr/ft ² /Deg. F/in.		4.6
(15).	Thermal Expansion Coefficient, 1 Deg C	60.5 x 10 ⁻⁶	45 x 10 ⁻⁶
(16).	Flexural Strength, psi		14,000
(17).	Outgassing		
	%TML		0.55
	%CVCM		0.01

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INSTRUCTIONS FOR USE:

HEAT CURING:

1. By weight, thoroughly mix 10-11 parts Catalyst to 100 parts Resin.
By volume, thoroughly mix 14 parts Catalyst to 100 parts Resin.
2. Pour and allow to cure according to one of the following schedules:
80 Deg. C: 8-16 Hours.
100 Deg. C 2-4 Hours
120 Deg. C 30-60 minutes.

A post cure of 4-16 hours at the highest expected use temperature is recommended.

Storage: Some separation is common during shipping and storage; therefore, it is recommended that Resin & Catalyst be thoroughly mixed prior to use. Store in original sealed container @ 50-75 Deg. F.

The information in this brochure is based on data obtained by our own research and is considered accurate. However, no warranty is expressed or implied regarding the accuracy of these data, the results to be obtained from the use thereof, or that any such use will not infringe any patent. This information is furnished upon the condition that the person receiving it shall make his own tests to determine the suitability thereof for his particular purpose.

IMPORTANT NOTICE

Since the use of this product is beyond the control of the seller the buyer assumes all risk of use or handling whether in accordance with directions or not, as the Seller makes no warranty, expressed or implied, concerning this product, or use thereof.

PRECAUTION

Keep container tightly closed when not in use. Store at room temperature. Mix well before each use.
Manufactured In USA