

Product Description

Vibra-TITE 932 is two-part epoxy encapsulant and adhesive. This system forms a resilient, long work time potting and encapsulant material with an easy mix ratio and good adhesion to thermoplastics. It will cure rapidly with heat to produce a material with excellent chemical, heat, and moisture resistance.

Features and Benefits

- Easy mix Ratio
- Excellent chemical resistance
- Excellent dielectric properties
- Casting can survive harsh chemical exposure

Properties of Uncured Material (resin)

Chemical Type	Epoxy
Appearance	Black Liquid
Specific Gravity	1.61
Toxicity	Low
Solids	100%
Viscosity @ 25°C, cP	30,000

Properties of Uncured Material (hardener)

Chemical Type	Amine
Appearance	Amber Liquid
Specific Gravity	0.98
Toxicity	Low
Solids	100%
Viscosity @ 25°C, cP	1,000

Properties of Cured Material

Vo. Mix Ratio, Resin: Hardener	2 to 1
Wt. Mix Ratio, Resin: Hardener	100:30
Viscosity @ 25°C, cP	5,800
Work Time, 100g (25°C)	40-50 mins
Gel Time, 100g (25°C)	70-90 mins
Regular Cure Schedule (25°C)	24 hrs
Alternate Cure Schedule (66 °C)	2 hours
Glass Transition Temp., °C	50
Linear Shrinkage,(cm/cm)	0.002
CTE below Tg, (mm/mm °C)	52.6 E-.06
Hardness @ 25°C, Shore D	85

Electrical Properties

Dielectric Constant, ASTM D150	0.1 kHz	3.59
	1.0 kHz	3.50
	10 kHz	3.48
	100 kHz	3.38

Dissipation Factor, ASTM D150	0.1 kHz	.01
	1.0 kHz	.01
	10 kHz	.01
	100 kHz	.01

Volume Resistivity	@25°C	3.4x10 ¹⁴ Ohm-cm
	@130°C	8.3x10 ¹⁰ Ohm-cm

General Information

Storage

Product should be stored in cool, dry conditions. *VIBRA-TITE 932* when un-mixed has a shelf life of 12 months when stored at 25°C. Storage in cool, clean areas is recommended. Usable shelf life may vary depending on method of applications and storage conditions.

Note

The data are furnished for information only and are believed to be reliable. We cannot assume responsibility for the results obtained by others over whose methods we have no control. It is recommended that the product be tested in the application for which it is to be used.