



Vibratite 990 Product Data Sheet

Product Description

Vibratite 990 is a high viscosity, industrial grade epoxy adhesive with extended work life. This system forms a resilient, long work time adhesive 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
- Bonding dissimilar materials including aluminum, steel, and other metals and plastics

Properties of Uncured Material (resin)

Chemical Type	Epoxy
Appearance	Off White
Specific Gravity	1.1
Toxicity	Low
Solids	100%
Viscosity @ 25°C, cP	31,000 – 51,000

Properties of Uncured Material (hardener)

Chemical Type	Polyamide
Appearance	Amber Liquid
Specific Gravity	0.98
Toxicity	Low
Solids	100%
Viscosity @ 25°C, cP	2,000

Properties of Cured Material

Vo. Mix Ratio, Resin: Hardener	2 to 1
Wt. Mix Ratio, Resin: Hardener	100:42
Work Time, 100g (25°C)	120 mins
Gel Time, 100g (25°C)	120 mins
Regular Cure Schedule (25°C)	24 hrs
Alternate Cure Schedule (66 °C)	2 hours
Tensile Lap Shear	
Steel:Steel	4,000 psi
Aluminum:Aluminum	3,500 psi
Hardness @ 25°C, Shore D	85

General Information

Storage

Product should be stored in cool, dry conditions. Vibratite 990 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.

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