

20-3072

Epoxy Adhesive and Potting Compound

DESCRIPTION:

20-3072 is a room temperature curing, two component, epoxy potting compound and adhesive. Both the 20-3072 and 20-3072LV (low viscosity version of 20-3072) provide good water resistance, adhesion, and toughness.

The 20-3072 and 20-3072LV Epoxy Systems meet the Food and Drug Administration (FDA) regulations permitting use in “indirect” food contact applications. The raw materials used in the products comply with the FDA regulations of Title 21 Code of Federal Regulations under Sections 175.105 and 175.300.

BENEFITS

- Excellent adhesion
- Excellent chemical and corrosion resistance
- Excellent electrical insulation

TYPICAL SPECIFICATIONS:

	20-3072	20-3072LV
Mixed Viscosity @ 25°C, cps	37,000	17,000
Mix Ratio (Resin : Curing Agent)		
By Weight	100:54	100:50
Color (Resin/Curing Agent)	Clear/Amber	Clear/Amber
Hardness, Shore D	84	82
Specific Gravity @ 25°C	1.09	1.09
Pot Life, 100 grams, 25°C, minutes	120	120
Tensile strength, psi	8,800	8,300
Tensile Elongation, %	4	4.9
Flexural strength, psi	13,500	13,800
Dielectric Constant, 120 Hz	3.73	2.7
Volume resistivity, ohm-cm	1.62x10 ¹⁵	1.7x10 ¹⁵
Dissipation factor, 120 Hz	.003	.003
Peel Strength, Steel, psi	1,015	1,045
Compression Strength, psi	33,010	33,000
Flexural modules, ksi	350	310

PREPARATION OF SURFACES:

Surfaces must be clean and grease free. Adhesion can be substantially increased by abrading the surfaces to be bonded with emery cloth, sandpaper, carbide grinding tools, sand blasting, etc...A roughened, porous surface will produce the best results. Any oxidized metal films should be removed just prior to application of the epoxy adhesive mixture.



INSTRUCTIONS FOR USE:

1. By weight, thoroughly mix epoxy resin and curing agent according to mix ratio provided in the above table.
2. Apply mixed material and follow one of the cure schedules:
 - a. 77°F 24 hours
 - b. 150°F 1 hour
 - c. 220°F 15 minutes

FDA COMPLIANCE:

Epoxies, Etc. does not warranty that these products would be suitable under applicable FDA regulations for any use.

The responsibility for determining the overall compliance with applicable FDA food additive/contact regulations is with the company manufacturing the final finished product and/or the person placing that product in food contact.

SAFETY, STORAGE, AND HANDLING:

Please refer to the MSDS for the most current safety and handling information. Read the MSDS before using these products.

The shelf life is 12 months in the original sealed container when stored between 50-77°F. Store away from excessive heat and humidity.

IMPORTANT:

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 this 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.

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