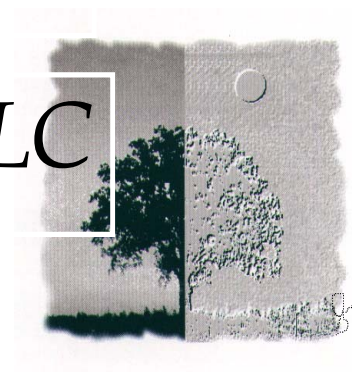


RESIN TECHNOLOGY GROUP, LLC

PRODUCT DATA SHEET



BONDING SYSTEM Two-Component Epoxy

OXY-BOND 112

FDA Approvable Epoxy Adhesive System

Description:

Oxy-Bond 112 is a medium viscosity, un-filled epoxy resin system specifically developed for adhesive and coating applications in accordance with Title 21, U.S. Code of Federal Regulations, Food and Drug Administration (FDA) Chapter 1, Sub Part B, Sections 175.105 and 175.300. This 1 to 1 ratio, two-part adhesive is easily mixed and develops tough, strong bonds to a wide variety of materials, including metals, glass ceramics and plastics. Oxy-Bond 112 is an effective electrical insulator and it provides low permeability to gases and vapors and good resistance to water, weather, galvanic actions, to petroleum solvents, lubricants and fuels, to mild acids and alkalis and to many other organic and inorganic compounds.

Applications:

This system is recommended for bonding, laminating and repair applications for manufacturers of food preparation, processing and packaging equipment and by manufacturers of catheters, hearing aids, dental products and other biomedical instruments and devices. Some proven applications are sealing seals on fiberglass components, bonding glass to aluminum, bonding of Pyrex, rubber/vinyl hose to steel tubing, repairing plastic laminates and sealing polyurethane foam.

Physical Properties:

Color:	Clear Amber or Blue
Specific Gravity:	1.12
Operating Temperature Range, °C:	-75 to 145
Hardness, Shore D:	78
Impact, Izod, Ft. Lbs/Inch of Notch:	1.26
Dielectric Strength, Volts/Mil:	435
Coefficient of Expansion, cm/cm, °C:	53 x 10 ⁻⁶
Elongation, %:	10

Handling Characteristics:

Mix-Ratio by Weight,	
Resin to Hardener:	1 to 1
Mixed Viscosity @ 25°C, cps:	12,000-14,000
Pot Life @ 25°C:	120 Minutes
Cure Schedule @ 25°C:	48 Hours
Cure Schedule @ 65°C:	2 Hours

Storage:

Store below 25°C out of sunlight and in original unopened containers. Refer to packaging specific quote for shelf life information.