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ENGINEERING DATA SHEET
EPOXY INSULATOR 3410

3410 is a single component, high temperature resistant, modified epoxy coating used for electronic circuit component protection. This material may be applied by screen printing or through automatic dispensing equipment. When properly cured, this product yields a chemically inert film which helps to prevent the effects of corrosion, moisture, oxidation, abrasion, and thermal shock. No ingredients that are corrosive or harmful to electronic components are used in this material.

COMPOSITION PROPERTIES:

Color	Transparent Green or Opaque Black
Viscosity*	25-75 Kcps (Brookfield RVT, Spin #7, 20 rpm, 25°C)
Drying	30-45 minutes @ 65°C
Seal Schedule	10-15 minutes @ 120°C
Cure Schedule	30 minutes @ 150-160°C
Service Temperature	-55-180°C
Dielectric Breakdown	>400 volts/mil
Insulation Resistance	>1 x 10 ¹⁴
Thinner**	PM Acetate
Shelf Life	3 months @ 25°C (Sealed Containers)

* 3410 is optimized for screen printing applications and thinning is not normally necessary. However, PM Acetate may be added, with thorough blending, to replace solvent loss or to make slight adjustments for ease of application. In handling and using organic solvents, the safety precautions recommended in the MSDS should be observed.

** Lower viscosity versions for dipping, brushing, and spraying are available upon request.

PROCESSING PARAMETERS:

Surface Preparations	Be sure that all surfaces to be coated with 3410 are clean, dry, and free of any grease or oil.
Mixing	The material should be thoroughly stirred prior to use.
Application	Screen printing using a 165-200 mesh nylon or stainless steel screen with a 0.8-1.0 emulsion thickness. Wet films should allow to air dry and level for 5-10 minutes prior to curing.
Curing	Excellent results have been obtained by convection curing for 30 minutes @ 150°C. Optimum cure cycles using radiant or convection conveyor ovens are best determined experimentally.
Cleanup (Uncured Epoxy)	Use Isopropanol, Acetate, MEK, or Aromatic Hydrocarbon solvents.

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