FURANE PRODUCTS COMPANY™

a subsidiary of:
ROHM AND HAAS ADVANCED MATERIALS COMPANY

5121 SAN FERNANDO ROAD WEST
LOS ANGELES, CALIFORNIA 90039
(818) 247-6210 • TWX (910) 497-2060

EPOCAST* 212/9012

Low Viscosity
Impregnating Resin

EP-55-84-1-4

Technical Information

DESCRIPTION:

An amber-clear, low viscosity, thermosetting epoxy resin system well suited for the impregnation and potting of electrical and electronic components. EPOCAST 212 is a 100% reactive impregnating material with a long pot life and excellent electrical properties after heat cure.

END USES:

Designed for the impregnation of wire wound devices, coils, modules, connectors, transistors and small motors and stators.

MATERIAL CHARACTERISTICS:

- Amber-clear epoxy system
- Low viscosity assures maximum impregnation
- Easily pigmented for color coding
- Long pot life eliminates waste of material

HANDLING CHARACTERISTICS:

Mixed Resin/Hardener Viscosity	600 cps at 77°F. (25°C.)
Mix Ratio	To 100 parts by weight of EPOCAST 212, add 90 parts by weight of Hardener 9012.
Working Life	3 to 5 days at 77°F. (25°C.)
Cure	6 hours at 100°C. or 2 hours at 120°C.
Storage	12 months in unopened containers

CLEANLINESS AND SAFETY: Avoid contact of the resin or hardener with the skin and apply under conditions of good ventilation. Request and examine Safety Bulletin EP-54-8.

FOR INDUSTRIAL AND PROFESSIONAL USE ONLY.

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TYPICAL PHYSICAL AND ELECTRICAL PROPERTIES:

Tests		Results	Test Methods
Specific Gravity, gm/cc		1.15 ± .05	ASTM D-792
Flexural Strength, psi		11,000	ASTM D-790
Compressive Strength, psi		15,000	ASTM D-695
Durometer D Hardness,	at 25°C.	83	ASTM D-2240
	at 100°C.	72	
Dielectric Constant/ Dissipation Factor	at 60Hz	3.4/.003	ASTM D-150
	at 1MHz	3.2/.011	
Volume Resistivity, ohm-cm		1.0×10^{16}	ASTM D-257

The values shown above are typical and are not recommended for specification purposes unless practical tolerances or limitations are established with Furane's laboratories.

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