FURANE

FURANE PLASTICS INCORPORATED

TECHNICAL BULLETIN

EPOCAST 212/9816

Low Viscosity
Impregnating Resin

EP-72-25

DESCRIPTION:

An amber-clear, low viscosity, thermosetting epoxy resin well suited for the impregnating and potting of electrical and electronic components. EPOCAST 212 is a 100% reactive material which may be cured with room temperature setting hardeners.

END USES:

EPOCAST 212 is designed for the impregnation of wire wound devices, coils, modules, connectors, transistors and small motors and stators.

MATERIAL CHARACTERISTICS:

* Amber clear epoxy system
* Designed for maximum impregnation and potting of electrical and electronic components
* 100% reactive material--may be cured with room temperature setting hardeners.

BENEFITS:

* Low viscosity assures maximum impregnation
* Ease of handling for module encapsulation
* Easily pigmented for color coding
* Short pot life gives fast cure

HANDLING CHARACTERISTICS:

Mixing Proportions:	To 100 parts by weight of EPOCAST 212, add 15 parts by weight of Hardener 9816 OR 6/1 parts by volume
Work Life:	100 grams at 77°F. 30 minutes
Cure Cycle:	24 hr. @ 77°F., or 2 hr. @ 150°F.

5121 SAN FERNANDO RD. WEST, LOS ANGELES, CALIF. 90039
(213) 247-6210 • TWX (910) 497-2060

FURANE

16 SPIELMAN ROAD, FAIRFIELD, NEW JERSEY 07006
(201) 227-2850 • TWX (710) 734-4362

TYPICAL PHYSICAL PROPERTIES:

Test	Result	Test Method
Mixed Viscosity, @ 77°F., cps	800	ASTM D-2393
Specific Gravity	1.19 ± .05	ASTM D-792
Flexural Strength, psi	16,000	ASTM D-790
Compressive Strength, psi	17,000	ASTM D-695
Durometer D Hardness, psi		ASTM D-2240
at 77°F.	84	
at 200°F.	78	
Dielectric Constant.		
Dissipation Factor		ASTM D-150
at 60 Hz	.006	
	4.0	
at 1 MHz	.027	
	3.5	
Volume Resistivity, ohm-cm		ASTM D-257
at 77°F.	$>10^{15}$	

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

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