Technical Bulletin EPOCAST

EP-66-58
September 2, 1966
LIMITED

EPOCAST 212 WITH HN-9652
Low Viscosity Potting Compound
Room Temperature Cure

DESCRIPTION: EPOCAST 212 with hardener 9652 is an amber clear epoxy potting compound with low viscosity. Increased flexibility may be obtained by increasing the proportion of HN-9652. All combinations cure at room temperature.

PURPOSE: EPOCAST 212/9652 is ideally suited for impregnation of coils and wire wound devices. Potting and encapsulation of tightly packed modules is possible with its low viscosity. Field applications can be made without the use of ovens with full cure at room temperature. Hardness may be adjusted for varying thermal stresses.

PREPARATORY MEASURES: All surfaces to which bond is required must be clean and free from oils and greases to obtain maximum adhesion. Degreasing, solvent wipe or chemical cleaning is recommended. (See Surface Preparation Bulletin EP-56-10 Mod. 2 for more detailed information.)

MIXING PROPORTIONS:

100 pbw EPOCAST 212 50 pbw HN-9652	for rigid casting
100 pbw EPOCAST 212 100 pbw HN-9652	for semi-rigid casting

POT LIFE: 2 to 2-1/2 hours at 77°F.

CURE: 24 hours at 77°F. (Room Temperature) or 3 hours at 150°F.

TYPICAL PROPERTIES: (100/50 pbw Ratio)

Mixed Viscosity	2000 cps at 77°F.
Tensile Strength	3000 psi
Hardness Durometer D	80 at 75°F. 70 at 200°F.

CHapman 5-5751 • CHapman 5-1151 FURANE PLASTICS, INC. 4516 BRAZIL STREET • LOS ANGELES, CALIFORNIA

TYPICAL PROPERTIES: (Continued)

Dielectric Constant/Dissipation Factor

at 60 cycles	3.6/.008
at 10 KH_z	3.3/.011
at 1 mH_z	3.1/.018

CLEANLINESS AND SAFETY:

Avoid contact of the resin or hardener with the skin and apply under conditions of good ventilation. Please request and examine Safety Bulletin EP-54-8 Mod. 2.

APPLICATION METHOD:

Material can be mixed and poured at room temperature. Preheating parts to 120° - 150°F. will produce more thorough impregnation. Stirred-in air bubbles may be removed easily with moderate vacuum.

STORAGE LIFE:

When stored in original sealed container at room temperature, the storage life is one year from date of manufacture.

PACKAGING:

	Gallon Unit	Five-Gallon Unit	Drum Unit
212	8 lbs.	40 lbs.	500 lbs.
9652	4 lbs.	20 lbs.	250 lbs.