

**An Emerald Performance Materials Company**

# EPALLOY™ 8220E

## Low Viscosity Epoxy Phenol Novolac Resin

### Functionality 2.05

### CAS NO. 28064-14-4

#### DESCRIPTION

EPALLOY 8220E is CVC's lowest viscosity, lowest hydrolyzable chloride epoxidized Bisphenol F resin. It exhibits a high degree of reactivity and after cure, outstanding chemical resistance. 8220E's exceptionally low hydrolyzable chloride level suggests its use in electronic applications, such as encapsulation and laminating.

Its exceptionally low viscosity makes 8220E the preferred material for blending with Bisphenol A resins to eliminate crystallization. Blends of EPALLOY 8220E with standard Bisphenol A based resins will exhibit superior properties compared to conventionally diluted resins.

#### APPLICATIONS

- High Temperature Resistant Encapsulants
- Prepregs and Composites
- Viscosity Modifier for Epoxy Novolacs and Bis A Resins
- Electronic Embedment
- Adhesives

#### TYPICAL PROPERTIES

Appearance	Clear, Clean
Viscosity @ 25°C, cps	1,800 – 2,800
Epoxide Equivalent Weight, g/eq	166 - 176
Gardner Color, max	2
Residual Epichlorohydrin, max ppm	10
Hydrolyzable Chloride, max %	0.02
Weight per Gallon, @ 25°C, lbs.	10 ± 0.1
Flash Point, COC, °C (°F)	>250 (>482)

#### HEALTH & SAFETY PRECAUTIONS

EPALLOY 8220E is not a primary skin irritant or sensitizer. Like any epoxy material, irritation can result from repeated or prolonged contact. The symptoms of this irritation may appear as a mild reddening to a more pronounced rash. It is, therefore, important to avoid skin contact where possible. Rubber gloves, protective clothing and full eye protection are recommended.

Refer to the **CVC Thermoset Specialties** Material Safety Data Sheet on EPALLOY 8220E for additional safety and handling information. The MSDS is revised as new data becomes available.

#### PACKAGING & AVAILABILITY

EPALLOY 8220E is available in 55 gallon steel non-returnable drums (500 lbs. net) and 5 gallon plastic pails (45 lbs. net). Bulk shipments are available on special order.

## **DISCLAIMER**

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