

An Emerald Performance Materials Company

EPALLOY™ 8220

Low Viscosity Epoxy Phenol Novolac Resin

Functionality 2.05

CAS No. 28064-14-4

DESCRIPTION

EPALLOY 8220 is a very low viscosity epoxidized Bisphenol F resin. It provides low hydrolyzable chloride content, a high degree of reactivity and outstanding chemical resistance. 8220 contains no diluent and is compatible with all standard curatives and most resin systems and solvents.

EPALLOY 8220 is excellent for use in 100% solids coatings and trowelable flooring where room temperature cure and chemical resistance to concentrated acids and aggressive solvents are required. Its exceptionally low viscosity makes 8220 the preferred material for blending with Bisphenol A resins to eliminate crystallization. Blends of EPALLOY 8220 with standard Bisphenol A based resins will exhibit superior properties compared to conventionally diluted resins.

APPLICATIONS

- ❑ High Temperature Encapsulants/Adhesives
- ❑ Conductive Adhesives
- ❑ Prepregs and Composites
- ❑ Chemical Resistant Coatings
- ❑ Viscosity Modifier for Epoxy Novolacs and Bis A Resins
- ❑ Primary Flooring Resin for High Chemical Resistance

TYPICAL PROPERTIES

Appearance	Clear, Clean
Viscosity @ 25°C, cps	1,800 – 2,800
Epoxide Equivalent Weight, g/eq	164 - 176
Gardner Color, max	2
Residual Epichlorohydrin, max ppm	10
Hydrolyzable Chloride, max %	0.10
Weight per Gallon, @ 25°C, lbs.	10 ± 0.1
Flash Point, COC, °C (°F)	>250 (>482)

HEALTH & SAFETY PRECAUTIONS

EPALLOY 8220 is not a primary skin irritant and 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 8220 for additional safety and handling information. The MSDS is revised as new data becomes available.

PACKAGING & AVAILABILITY

EPALLOY 8220 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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