

An Emerald Performance Materials Company**EPALLOY™ 8250**
Low Viscosity Epoxy Phenol Novolac Resin
Functionality 2.65
CAS NO. 28064-14-4**DESCRIPTION**

For an epoxidized phenol novolac with an average functionality of 2.65, EPALLOY 8250 exhibits a very low room temperature viscosity. Close process control produces a resin significantly lower in viscosity than other commercially available epoxy novolacs of similar functionality. EPALLOY 8250 combines low hydrolyzable chlorides with good reactivity. It is non-crystallizing and compatible with all standard curatives and most epoxy resin systems and solvents.

Because of its low viscosity, EPALLOY 8250 is an excellent resin for formulating 100% solids coatings and trowelable flooring. Those formulations will cure at room temperature and provide chemical resistance to concentrated acids and aggressive solvents. 8250 is also the preferred resin for use in electronic encapsulation, laminating and film adhesives.

APPLICATIONS

- Heat Resistant Adhesives
- High Temperature Encapsulants
- Conductive Adhesives
- Prepregs and Composites
- Chemical Resistant Coatings
- Primary Flooring Resin for High Chemical Resistance
- Laminating Resins/Film Adhesives

TYPICAL PROPERTIES

Appearance	Clear, Clean
Viscosity @ 25°C, cps	18,000 – 28,000
Epoxide Equivalent Weight, g/eq	165 - 178
Gardner Color, max	3
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 8250 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 8250 for additional safety and handling information. The MSDS is revised as new data becomes available.

PACKAGING & AVAILABILITY

EPALLOY 8250 is available in 55 gal. non-returnable steel drums (500 lbs. net) and 5 gal. plastic pails (45 lbs. net). Bulk shipments are available with adequate lead-time. Drum inventory is available at most CVC regional warehouses. Check with your local sales representative for the shipping location nearest you.



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