

EPALLOY™ 8240

Low Viscosity Epoxy Phenol Novolac Resin

CAS NO. 28064-14-4

DESCRIPTION

EPALLOY 8240 is a very low viscosity epoxy phenol novolac resin with low hydrolyzable chloride content and a high degree of reactivity. It is non-crystallizing and compatible with all standard curatives and most resin systems and solvents. Formulations based on EPALLOY 8240 exhibit outstanding chemical resistance. 8240 is recommended for use in room temperature cure, 100% solids coatings and trowelable flooring formulations. Improvements in resistance to concentrated acids and aggressive solvents will occur. 8240's exceptionally low hydrolyzable chlorides make it the preferred material for electronic encapsulants and laminates where higher temperature resistance is required.

Blends of EPALLOY 8240 with standard epoxidized Bisphenol A based resins are an excellent way to impart resistance to crystallization. These blends will exhibit superior cured properties compared to conventional diluted DGEBA resins.

APPLICATIONS

- ☐ Primary Flooring Resin Providing Improved Chemical Resistance
- ☐ Chemical Resistant Tank Linings
- ☐ Viscosity Modifier for Epoxy Novolacs
- ☐ High Temperature Resistant Encapsulants/Adhesives
- ☐ Conductive Adhesives
- ☐ Prepregs and Composites

TYPICAL PROPERTIES

Appearance	Clear, Clean
Viscosity @ 25°C, cps	6,000 – 7,100
Epoxide Equivalent Weight, g/eq	164 - 176
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 8240 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 8240 for additional safety and handling information. The MSDS is revised as new data becomes available.

PACKAGING & AVAILABILITY

EPALLOY 8240 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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EPALLOY™ 8240

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CVC Thermoset Specialties—844 N. Lenola Road/Moorestown, NJ 08057
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844 North Lenola Road / Moorestown, NJ 08057 / Phone: 856-533-3000 / Fax: 856-533-3003 / www.emeraldmaterials.com