

EPALLOY[®] 8230

Low-Viscosity Epoxy Phenol Novolac Resin
 Functionality 2.15
 CAS No. 28064-14-4

DESCRIPTION

EPALLOY 8230 is a very low-viscosity epoxidized bisphenol F resin that combines low hydrolyzable chlorides with a high degree of reactivity and outstanding chemical resistance. It is non-crystallizing and compatible with all standard curatives and most resin systems and solvents. EPALLOY 8230 is excellent for use in 100% solids coatings and trowelable flooring formulations where room-temperature cure is required. Those formulations will provide chemical resistance to concentrated acids and aggressive solvents. Its exceptionally low hydrolyzable chloride content makes EPALLOY 8230 the preferred material for electronic applications, such as, encapsulation and laminating.

Blends of EPALLOY 8230 with standard bisphenol A based epoxy resins resist crystallization and 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
- Primary flooring resin for high chemical resistance

TYPICAL PROPERTIES

Appearance	Clear, Clean
Viscosity @ 25 °C, cps	3,500 – 4,700
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, lb.	10
Flash Point, COC, °C (°F)	>250 (>482)

PACKAGING & AVAILABILITY

EPALLOY 8230 is available in 55 gal. non-returnable steel drums (500 lb. net) and 5 gal. plastic pails (45 lb. 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.

HEALTH & SAFETY PRECAUTIONS

EPALLOY 8230 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 8230 for additional safety and handling information. The MSDS is revised as new data becomes available.

DISCLAIMER

The information contained herein is believed to be reliable, but no representations, guarantees or warranties of any kind are made as to its accuracy, suitability for particular applications or the results to be obtained there from. The information is based on laboratory work with small-scale equipment and does not necessarily indicate end product performance. Because of the variations in methods, conditions, and equipment used commercially in processing these materials, no warranties or guarantees are made as to the suitability of the products for the applications disclosed. Full-scale testing and end product performance are the responsibility of the user. CVC Thermoset Specialties shall not be liable for and the customer assumes all risk and liability of any use or handling of any material beyond CVC's direct control. THE SELLER MAKES NO WARRANTIES, EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OR MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. Nothing contained herein is to be considered permission, recommendation, nor as an inducement to practice any patented invention without permission of the patent owner. IN NO EVENT SHALL SELLER BE LIABLE FOR ANY INCIDENTAL, CONSEQUENTIAL OR SPECIAL DAMAGES.

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



An Emerald Performance Materials® Company