

EPALLOY™ 5000

Epoxidized Hydrogenated Bisphenol A

CAS NO. 30583-72-3

DESCRIPTION

EPALLOY 5000 is the diepoxide of the cycloaliphatic alcohol, hydrogenated Bisphenol A. Due to its saturated ring structure, this resin is expected to find utility in applications requiring resistance to ultraviolet light exposure. Formulations based on standard DGEBA resins usually do not perform well in this environment. Curing agent selection, to achieve optimum weathering resistance with EPALLOY 5000, should be done with great care. Products with improved chalking resistance and gloss retention can be formulated.

EPALLOY 5000 exhibits a significantly lower viscosity than DGEBA. Higher filler loadings can, therefore, be achieved, resulting in cost reduction and reduced shrinkage. The adhesion and chemical resistance characteristic of EPALLOY 5000 formulations are expected to be similar to those of standard DGEBA systems.

APPLICATIONS

Exterior coatings for:

- ☐ Tanks
- ☐ Concrete Dikes
- ☐ Steel Structures
- ☐ Rail Cars

TYPICAL PROPERTIES

Appearance	Clear, Clean
Viscosity @ 25°C, cps	1,300 – 2,500
Epoxide Equivalent Weight, g/eq	210 – 230
APHA Color, max	100
Residual Epichlorohydrin, max ppm	10
Hydrolyzable Chloride, max %	0.20
Weight per Gallon @ 25°C, lbs.	9.0 ± 0.1
Flash Point, COC, °C, (°F)	>115 (>240)

HEALTH & SAFETY PRECAUTIONS

EPALLOY 5000 is slightly irritating to the skin. As with all epoxy resins prolonged or repeated skin contact with uncured resin should be avoided. Rubber gloves and full eye protection are recommended. Protective clothing should be worn. Leather articles cannot be cleaned.

Refer to **CVC Thermoset Specialties** Material Safety Data Sheet on EPALLOY 5000 for additional safety & handling information. The MSDS is revised as new data becomes available.

PACKAGING & AVAILABILITY

EPALLOY 5000 is available in 55 gal. non-returnable steel drums (480 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™ 5000

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