TECHNICAL BULLETIN

EPALLOY® 7170

Low-Viscosity Bisphenol F Modified Bisphenol A Resin
CAS No. 25085-99-8 / 28064-14-4

DESCRIPTION

EPALLOY 7170 is a very low-viscosity, non-crystallizing modified bisphenol A resin that combines low hydrolyzable chlorides with a high degree of reactivity and good chemical resistance. It is compatible with all standard curatives and most resin systems and solvents.

EPALLOY 7170 is excellent for 100% solids coatings and trowelable floorings requiring room-temperature cure and chemical resistance to concentrated acids and aggressive solvents. Its exceptionally low hydrolyzable chlorides make it the preferred material for electronic encapsulants and laminates. EPALLOY 7170 is an excellent base resin for low-VOC coatings with higher temperature and chemical resistance versus conventionally diluted resins. Cure speeds are also not reduced like typical low-viscosity bisphenol A resins or those modified with reactive diluents.

APPLICATIONS

- High-temperature encapsulants/adhesives
- High-temperature room-curable adhesives
- Chemical resistance coatings
- Viscosity modifier for epoxy novolacs
- Primary flooring resin for high chemical resistance
- Grouts and concrete

TYPICAL PROPERTIES

Appearance	**Clear, Clean**
Viscosity @ 25 °C, cps	**7,000 – 10,000**
Epoxide Equivalent Weight, g/eq	**177 – 187**
Gardner Color, max	**2**
Residual Epichlorohydrin, max ppm	**10**
Hydrolyzable Chloride, max %	**0.10**
Weight per Gallon @ 25 °C, lb.	**9.7 ± 0.1**
Flash Point, COC, °C (°F)	**>250 (>482)**

CVC Thermoset Specialties
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PACKAGING & AVAILABILITY

EPALLOY 7170 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 sales representative for the shipping location nearest you.

HEALTH & SAFETY PRECAUTIONS

EPALLOY 7170 is not a primary skin irritant or sensitizer. However, as with any epoxy material, irritation can result from repeated or prolonged contact. The symptoms of this irritation may appear as a mild reddening or a more pronounced rash. It is, therefore, important to avoid skin contact where possible. Butyl rubber gloves, full eye protection and protective clothing are recommended.

Refer to CVC Thermoset Specialties Material Safety Data Sheet on EPALLOY 7170 for additional safety and handling information. The MSDS is revised as new data becomes available.

DISCLAIMER

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