EPALLOY® 8250 Low-Viscosity Epoxy Phenol Novolac Resin

Product Description

Epalloy® 8250 resin is an epoxidized phenol novolac with epoxy functionality 2.60. EPALLOY® 8250 resin 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 medium viscosity, EPALLOY® 8250 resin is an excellent choice 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. EPALLOY® 8250 resin is also the preferred choice 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

<table>
<thead>
<tr>
<th>Property</th>
<th>EPALLOY® 8250</th>
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<tbody>
<tr>
<td>Viscosity at 25°C, cP</td>
<td>18,000 – 28,000</td>
</tr>
<tr>
<td>Epoxide Equivalent Weight, g/eq</td>
<td>165 – 178</td>
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<tr>
<td>Gardner Color, max</td>
<td>3</td>
</tr>
<tr>
<td>Residual Epichlorohydrin, max ppm</td>
<td>10</td>
</tr>
<tr>
<td>Hydrolyzable Chloride, max %</td>
<td>0.10</td>
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<tr>
<td>Weight per Gallon at 25°C, lb.</td>
<td>10 ± 0.1</td>
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<tr>
<td>Flash Point, COC, °C (°F)</td>
<td>&gt;250 (&gt;482)</td>
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</tbody>
</table>
Storage

EPALLOY® 8250 resin should be stored in a dry place, in the sealed original containers, at temperatures between +2°C and +40°C (+35.6°F and +104°F). Under these storage conditions, the products have a shelf life of 24 months (from date of manufacture). The products should not be exposed to direct sunlight.

Precautionary Statement

Huntsman Advanced Materials Americas LLC maintains up-to-date Safety Data Sheets (SDS) on all of its products. These sheets contain pertinent information that you may need to protect your employees and customers against any known health or safety hazards associated with our products. Users should review the latest SDS to determine possible health hazards and appropriate precautions to implement prior to using this material.

First Aid!
Refer to SDS as mentioned above.

KEEP OUT OF REACH OF CHILDREN

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