



## DESCRIPTION

EC-326 is a Bisphenol A based acetate/propionate epoxy curative. This low melting curative is ideal for chain extension. It is soluble in most epoxy monomers. The curative provides thermosets with low moisture uptake relative to a phenolic curative. Depending on the epoxy to curative ratios, the properties range from tough thermosets to thermoplastics. The EC-326, unlike phenolic curatives, does not interfere with free-radical cure in hybrid adhesive systems.

## HIGHLIGHTS

- Hydrolytically resistant
- Low melting point
- Thermal stability
- Hydrophobic
- Toughener
- Does not impede free-radical cure

## TYPICAL PHYSICAL AND CHEMICAL PROPERTIES

| PROPERTY   | METHOD          | RESULT             |
|--|-----------------|--------------------|
| Appearance at Room Temperature                     | Visual          | White/yellow solid |
| Viscosity @ 25°C (typical) - (super cooled liquid) | Haake Rheometer | 2,200 cP           |
| Melting Point (typical)                            | DSC             | 40 - 45°C          |
| Density  |                 | 1.12 g/cc          |
| Flash Point  | Closed Cup      | > 200°C            |
| Functionality                                      |                 | 2                  |
| Molecular Weight (approx.)                         |                 | 326 daltons        |
| Decomposition Temperature (approx.)                | TGA             | 250°C              |
| Recommended Storage Temp                           |                 | 25°C or below      |

*Data is for reference only and may vary depending on testing method used. The structure shown above is an idealized representation of a statistical distribution.*

## RECOMMENDED FORMULATION USE:

EC-326 is recommended for use as an epoxy curative to improve toughness, hydrophobicity, and hydrolytic stability. A one-to-one equivalent ratio of EC-326 to a difunctional epoxy will (depending on the catalyst used) cure to a thermoplastic resin. To form a thermoset, a twenty equivalent percent excess, or more, of epoxy is recommended. Standard epoxy catalysts such as amines, imidizoles, and Lewis acids work well to cure the EC-326 with epoxy resins.

## CONTACT:

### REQUEST A SAMPLE OR PLACE AN ORDER

Customer Support

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