

## Advanced Materials

## EPALLOY® 7200#

## Chemically Modified Bisphenol-A epoxy resin

## DATA SHEET

	EPALLOY <sup>®</sup> 7200 resin is a chemically modified liquid diglycidyl ether of bisphenol A, completely free of acrylates, designed for fast cure and low-temperature cure applications. It is a light-colored resin that is a viscous liquid at room temperature. Moderate heating will bring down the viscosity significantly for better handling. EPALLOY <sup>®</sup> 7200 resin will react with all epoxy resin curing agents to produce cured products with excellent chemical resistance, adhesive, electrical, and mechanical properties. It is particularly recommended for low temperature coatings and adhesives. For applications that require a lower viscosity, EPALLOY <sup>®</sup> 7200 resin is compatible with most ARALDITE <sup>®</sup> resins and ERISYS <sup>®</sup> reactive diluents. The addition of other resins, modifiers, and diluents to EPALLOY <sup>®</sup> 7200 resin will alter the cure time, pot life, and cured properties of the resin.			
Applications	<ul> <li>Fast-cure, high-solids primers and coatings</li> <li>Coatings/primers for low-temp applications</li> <li>Chemical-resistant coatings</li> <li>Fast-cure adhesives</li> <li>Accelerator for standard resin systems</li> </ul>	5		
Key data	Specified key data			
	Appearance (visual)	clear		
	Epoxy equivalent (Titration)	195 – 215	[g/eq]	
	Viscosity at 52 °C (Brookfield)	2000 - 4000	[mPa s]	
	Easily Hydrolysable Chloride content (Titration)	< 0.5	[%]	
	Residual Epichlorohydrin (Gas Chromatography)	< 50	[ppm]	
	Water content (Karl fischer titration)	< 0.2	[%]	
	Specified key data are individually checked throughout and guaranteed.			
	Typical key data			
	Medium epoxy equivalent (ISO 3001)	205	[g/eq]	
	GArdner, max	2		

<sup>&</sup>lt;sup>#</sup> In addition to the brand name product denomination may show different appendices, which allows us to differentiate between our production sites: e.g. BD = Germany, US = United States, IN = India, CI = China, etc. These appendices are in use on packaging, transport and invoicing documents. Generally, the same specifications apply for all versions. Please address any additional need for clarification to the appropriate Huntsman contact.

As-supplied form	Liquid
Odour	Slight
Shelf life (at storage temperature between 2 - 8°C) (see expiry date on original container)	1 year
Hazardous decomposition products (when disposed of in fire)	carbon monoxide, carbon dioxide and other toxic gases and vapours
Disposal	regular procedures approved by local authorities

Storage	EPALLOY <sup>®</sup> 7200 should be stored in a dry place, preferably in the sealed original container, at temperatures between 2 and 8 °C. The product should not be stored exposed to direct sunlight.
	Sumgn.

Handling Mandatory and recommended industrial hygiene procedures should be followed whenever precautions our products are being handled and processed. For additional information please consult the corresponding product safety data sheets and the brochure "Hygienic precautions for handling plastics products".

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Products may be toxic and require special precautions in handling. The user should obtain Safety Data Sheets from Huntsman Advanced Materials containing detailed information on toxicity, together with proper shipping, handling and storage procedures, and should comply with all applicable safety and environmental standards. Hazards, toxicity and behaviour of the products may differ when used with other materials and are dependent on

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