

# Razeen® LR 1200

## Unmodified liquid Epoxy Resin



<b>General</b>	Razeen® LR 1200 is a high viscose unmodified resin based on Bisphenol A.
<b>Applications</b>	<p>Razeen® LR 1200 can be cured with amines, polyamides or anhydrides depending on the application and desired properties. The resin is suitable for the following end use application:</p> <ul style="list-style-type: none"> <li>• Casting and tooling systems</li> <li>• Laminating</li> <li>• Filament windings and adhesives</li> </ul>
<b>Properties</b>	<p>Razeen® LR 1200 based formulation yields,</p> <ul style="list-style-type: none"> <li>• Good adhesion and flexibility</li> <li>• Excellent water and chemical resistance</li> </ul> <p>The resin is FDA approved and shows relatively slight tendency to crystallize.</p>

<b>Specific Key Data</b>	<b>Property</b>	<b>Value</b>	<b>Test method</b>
	Appearance	Clear, no contamination	JCTM 001
	Color, APHA	125 max.	ASTM D-1209
	Epoxy value	5.00 - 5.40 eq/Kg	ASTM D-1652
	Weight per epoxide	185 - 200 g/eq	ASTM D-1652
	Viscosity at 25°C (77°F)	16,000 - 20,000 mPa.s	ISO 12058-1
	Hydrolyzable Chlorine	400 - 700 ppm	JCTM 195
	Water Content (KF)	0.04 % max.	ASTM D-4017

*Specific key data are individually checked throughout, guaranteed and included in Certificate of Analysis.*

<b>Typical Key Data</b>			
	Residual Epichlorohydrine	10.0 ppm max.	JCTM GC6010
	Density at 25°C (77°F)	1.16 g/cm <sup>3</sup>	ISO 1675
	Flash point	≥ 200°C	ISO 2719

*Typical key data are spot-checked; the values are typical for the product and are indicated for information only. The values are not included in certificate of analysis.*

As-supplied form	Liquid
Odor	Yes
Self life (at storage temperature between 10-40°C) (See expiry date on original container)	4 years
Hazardous decomposition products	Carbon monoxide, carbon dioxide, nitrogen oxides and other toxic gases and vapors
Disposal	Regular procedures approved by local authorities

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**Packaging & Storage** Razeen<sup>®</sup> LR 1200 is supplied in bulk and in steel drums contains 240 Kgs. This product has a minimum shelf life of four years when stored in unopened sealed containers in a dry location at room temperature. Like liquid epoxy resins, Razeen<sup>®</sup> LR 1200 may crystallize when stored below room temperature. Heating the resin to 60–70°C (140–160°F), for several hours will re-liquefy it and restore its original properties.

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**Handling/Safety Precautions** Warning! Causes irritation. May cause sensitization and dermatitis. Avoid contact with eyes, skin and clothing. Avoid breathing vapor, mist or spray. Use with good ventilation. Wash after handling.

***Read Material Safety Data Sheet Before Using.  
For Industrial use only.***

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**First Aid** **In case of contact**

Eyes : Immediately flush with water for at least 15 minutes. Contact a physician.  
Skin : Promptly wash thoroughly with mild soap and water.  
Inhalation : Remove to fresh air. Give oxygen if breathing is difficult.  
Ingestion : If conscious, give water. Get medical attention.

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**Note** Razeen<sup>®</sup> is a registered trademark of JANA or an affiliate thereof.

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