



# Chemieresin Industries Pvt. Ltd.

Plot No. 901/A, Phase - 4, GIDC - Naroda, Ahmedabad - 382330

## Technical Data Sheet

**Product : Epoxy Resin CR - 112**

### Description :

CR 112 is an unmodified, medium viscosity, liquid epoxy resin based on Bisphenol-A. When it is used with an appropriate epoxy curing agent, it provides an excellent combination of mechanical, thermal, chemical and physical properties.

### Applications :

Electrical insulating materials  
Pipes and sheets mouldings  
Prepreg with shorter shelf-life laminates  
Pressure vessels  
Sport equipment

### Processing :

Filament winding  
Laminating by the prepreg technique  
Matched die moulding  
Pultrusion

### Typical specifications :

Properties	Unit	Values
Appearance	-	Clear, viscous Liquid
Colour	GS	Max 1

Epoxy value	Eq/kg	5.20 - 5.50
Epoxy equivalent weight (EEW)	g/eq	182 -192
Viscosity at 25°C	mPas	10,000 -13,000
Hydrolysable chlorine	%	Max 0.05
Specific gravity	-	1.12 -1.15
Volatile content (150°C / 15 minutes)	%	Max 0.5

### **Packaging :**

CR 112 is available in 25 kg Carboys & 240 kg Drum. Other packing may be considered on request.

### **Storage and handling :**

CR 112 have a shelf-life of at least 2years if stored in its original container away from humidity and excessive heat. Care must be taken to avoid direct contact with skin as far as possible. If contact does occur then wash off immediately with soap and warm water. Please refer to the Safety Data Sheet (SDS) for detailed instructions on storage and handling.

### **Safety :**

Wear personal protective equipment (PPE). Avoid contact with the eyes and skin. In case of direct contact and irritation, the resin should be washed off immediately with soap and warm water. Avoid breathing vapours, mist or gas. Please refer to the SDS for detailed safety instructions.

### **Spills and disposal :**

In case of spills, sweep up and shovel the spilled material. Keep spilled material in suitable, closed containers for disposal. Soak up with an absorbent such as clay, sand or other suitable material. Flush area with water to remove trace residue. Do not allow the product to reach the sewage system. Waste must be disposed of in accordance with federal, state or local regulations, as applicable.