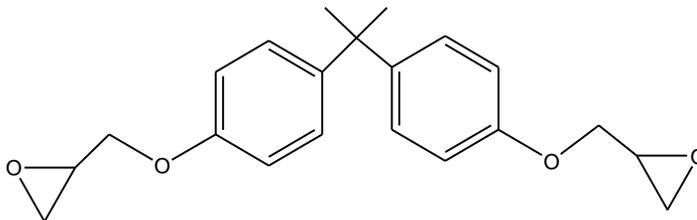


## Description

Lapox ARC-28 is an unmodified, low viscosity, high purity liquid epoxy resin. When it is used with appropriate epoxy hardener, it provides an excellent combination of mechanical, thermal, chemical and physical properties useful in very high end application components for defense and aerospace segments.

## Chemical structure



## Advantages

- Good chemical resistance
- Good mechanical properties
- High glass transition temperature
- Low shrinkage

## Applications

- Casting and tooling
- Electrical connectors
- High voltage electrical components
- Potting and Encapsulations

## Typical specifications

Properties	Unit	Test method	Values
Appearance	-	Visual	Clear viscous liquid or crystalline waxy solid <sup>1</sup>
Colour	APHA	ASTM D1209	Max 50
Epoxy value	Eq/kg	ASTM D1652	5.71 - 5.95
Epoxide equivalent weight (EEW)	g/eq	ASTM D1652	168 - 175
Viscosity at 25°C	m Pas	ASTM D2196	4,000 - 5,500
Hydrolysable chlorine	%	ASTM D1726	Max 0.03

<sup>1</sup>.Product may crystallise during storage due to high purity. Can be liquefied by stirring between 60°C and 65°C.

## Packaging

Lapox ARC-28 is available in 25 kg and 240 kg MS drums. Other packing may be considered on request.

## Storage and handling

Lapox ARC-28 should be stored in a cool and dry place, preferably in a sealed container and should not be exposed to direct sunlight. This product has a shelf life of 3 years if stored in its original container between 20°C and 40°C away from humidity and excessive heat. It has a tendency to crystallise if stored below 20°C. Crystallisation can be reversed after heating at 60°C to reliquify it and restore its original properties. The recommended pumping temperature is between 70°C to 80°C. Please refer to the Safety Data Sheet (SDS) for detailed instructions on storage and handling.

# LAPOX<sup>®</sup> ARC-28

Technical Data Sheet | Polymers Business



## 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.

## Contact

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Website: [www.atul.co.in](http://www.atul.co.in)

## Note

Lapox<sup>®</sup> is a registered trademark of Atul Ltd.

## Manufacturing site

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