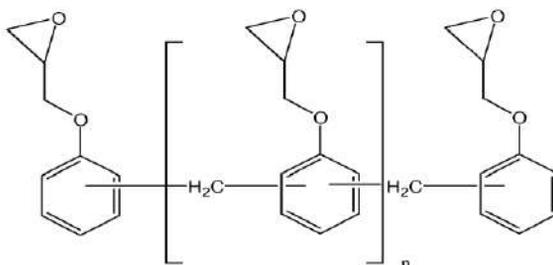


## Description

Lapox ARPN-56 is a semi-solid epoxy phenol novolac resin with superior chemical resistance. When cured with selected hardeners, this product provides excellent elevated temperature properties and superior chemical resistance. It is a multifunctional epoxidised phenol novolac resin with average functionality of 5.5.

## Chemical structure



Average value of  $n=3.5$

## Advantages

- Excellent chemical resistance
- Excellent heat resistance
- Good electrical properties
- High functionality
- High heat distortion temperature

## Applications

- Chemical resistance coatings and linings
- Electrical castings
- Filament windings
- Laminates and composites

## Typical specifications

Properties	Unit	Test method	Values
Appearance	-	Visual	Clear, semi-solid
Colour	GS	ASTM D1544	Max 4
Epoxy value	Eq/kg	ASTM D1652	5.12 - 6.10
Epoxy equivalent weight (EEW)	g/eq	ASTM D1652	164 - 195
Viscosity at 150°C	m Pas	ASTM D4287	100 - 350
Hydrolysable chlorine	%	ASTM D1726	Max 0.2

## Packaging

Lapox ARPN-56 is available in 240 kg MS drums. Other packing may be considered on request.

## Storage and handling

Lapox ARPN-56 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 2 years if stored in its original container between 2°C and 40°C away from humidity and excessive heat. Please refer to the Safety Data Sheet (SDS) for detailed instructions on storage and handling.

# LAPOX<sup>®</sup> ARPAN-56

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

E-mail: [polymers@atul.co.in](mailto:polymers@atul.co.in)  
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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