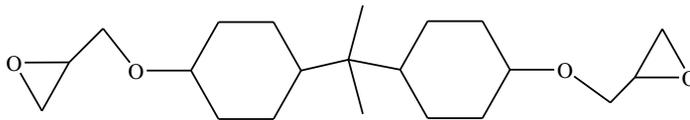


Description

Lapox ARCH-13 is a low viscosity, cycloaliphatic epoxy resin, based on hydrogenated bisphenol-A. Due to the cyclic ring structure, it exhibits an excellent resistance to ultraviolet light and weathering compared to standard bisphenol-A based epoxy resin. The saturated ring structure also helps to give better non-yellowing characteristics and can be used for outdoor coating applications. It also shows lower viscosity than DGEBA resin, making it an ideal candidate for designing high filler loading and cost effective formulations.

Chemical structure



Advantages

- Good non-yellowing properties
- High tracking and arc resistance
- High UV and weathering resistance
- Low viscosity

Applications

- Exterior coating
- Flooring and concrete application
- Gel coats for windmill blades
- Medium and high voltage electrical insulating components

Typical specifications

Properties	Unit	Test method	Values
Appearance	-	Visual	Clear liquid
Colour	APHA	ASTM D1209	Max 100
Epoxy value	Eq/kg	ASTM D1652	4.16 - 4.54
Epoxy equivalent weight (EEW)	g/eq	ASTM D1652	220 - 240
Viscosity at 25°C	m Pas	ASTM D2196	2,000 - 4,000
Hydrolysable chlorine	%	ASTM D1726	Max 0.1

Packaging

Lapox ARCH-13 is available in 240 kg MS | HDPE drums and 1,000 kg IBC. Other packing may be considered on request.

Storage and handling

Lapox ARCH-13 should be stored in cool and dry place, preferably in the sealed container and should not be exposed to direct sunlight. Lapox ARCH-13 has a shelf life of 2 years if stored in its original container between 20°C and 40°C away from humidity and excessive heat. Crystallisation can be reversed after heating between 50°C and 60°C.

Safety

Wear personal protective equipment (PPE). Avoid contact with the eyes and skin. In case of direct contact and irritation, the reactive diluent should be washed off immediately with soap and warm water. Avoid breathing vapours, mist or gas. Please refer to the Safety Data Sheet (SDS) of Lapox ARCH-13 for detailed safety instructions.

LAPOX[®] ARCH-13

Technical Data Sheet | Polymers Business



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
Website: www.atul.co.in

Note

Lapox[®] is a registered trademark of Atul Ltd.

Manufacturing site

Atul 396 020, Gujarat, India

Telephone: (+91 2632) 230000 | 233261

E-mail: contact@atul.co.in

Disclaimer: The information contained herein is for information purposes only. While enough care is taken in disclosing the information, users of this information are advised to cross-check the same depending upon use | application. Atul Ltd does not give any assurance or warranty or guarantee in regard to the accuracy or completeness of the information and no claim or liability will be accepted or entertained in regard thereto. Atul Ltd makes no warranty of any kind, expressed or implied, including, but not limited to, any implied warranty of merchantability or fitness for a particular purpose or performance or usage of trade.