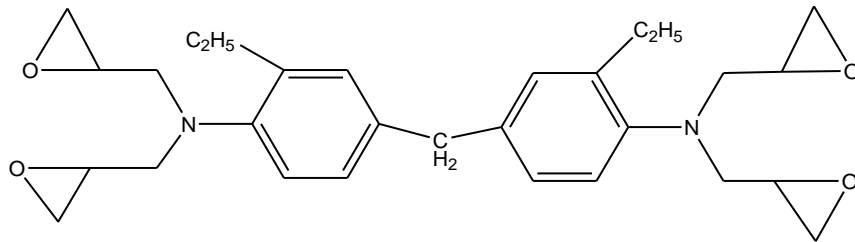


Description

Lapox ARTF-33 is a tetrafunctional low viscosity multifunctional epoxy resin. The system is designed for fabricating high temperature performance composites by the filament winding process. This system exhibits long pot life at process temperatures, yielding systems with high glass transition temperatures and an excellent retention of mechanical performance, even at elevated temperature.

Chemical structure



Advantages

- Excellent radiation stability
- Exceptionally good long-term high temperature performance
- Extremely low shrinkage
- High chemical resistance
- High mechanical strength retention
- Outstanding heat resistance and deflection temperature

Applications

- Advanced (carbon and boron fiber) composite structure
- Casting
- Heat resistance tooling
- High performance structural adhesives
- High radiation resistance components
- Structural laminating

Typical specifications

Properties	Unit	Test method	Values
Appearance	-	Visual	Clear, yellow to brown liquid
Colour	GS	ASTM D1544	Max 7
Epoxy value	Eq/kg	ASTM D1652	7.52 - 8.47
Epoxy equivalent weight (EEW)	g/eq	ASTM D1652	118 - 133
Viscosity at 25°C	m Pas	ASTM D2196	7,000 - 12,000

Packaging

Lapox ARTF-33 is available in 200 kg MS drums. Other packing may be considered on request.

Storage and handling

Lapox ARTF-33 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 1 year if stored in its original container between 2°C and 8°C away from humidity and excessive heat.

LAPOX[®] ARTF-33

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 Safety Data Sheet (SDS) of Lapox ARTF-33 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
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.