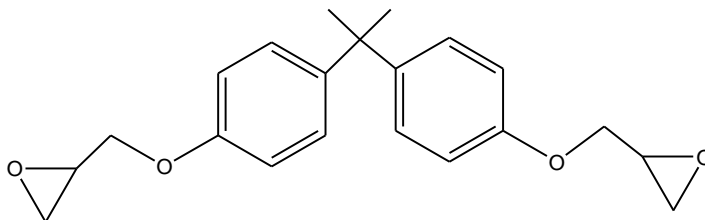


Description

Lapox AR-101 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.

Chemical structure



Applications

Adhesives
civil construction
coatings
flooring
grouting

Typical specifications

| Properties | Unit | Test method | Values |
|--|-------|-------------|-----------------------|
| Appearance | - | Visual | Clear, viscous liquid |
| Colour | GS | ASTM D1544 | Max 1 |
| Epoxy value | Eq/kg | ASTM D1652 | 5.25 - 5.45 |
| Epoxy equivalent weight (EEW) | g/eq | ASTM D1652 | 184 - 191 |
| Viscosity at 25°C | m Pas | ASTM D2196 | 11,000 - 15,000 |
| Hydrolysable chlorine | % | ASTM D1726 | Max 0.05 |
| Volatile content (150°C / 15 minutes) | % | - | Max 0.5 |

Packaging

Lapox AR-101 is available in 240 kg MS | HDPE drums and 1,000 kg IBC. Other packing may be considered on request.

Storage and handling

Lapox AR-101 should be stored in a cool and dry place, preferably in a sealed container. It should not be exposed to direct sunlight. This product 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. It has a tendency to crystallise if stored below 20°C. Crystallisation can be reversed after heating at 60°C. The recommended pumping temperature is between 70°C and 80°C. 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.

LAPOX[®] AR-101

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

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Note

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

Manufacturing site

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