

Description

Lapox AH-657 is a modified aromatic amine based on 4,4'-diamino diphenyl methane available in form of dark brown viscous liquid. It can be made more flowable by heating at 70°C to 80°C. It is partially cures epoxy resin at ambient temperature and provide handling strength however full curing achieved at elevated temperature. Basic liquid epoxy resin (EEW:190) cured with stoichiometric ratio of Lapox AH-657 provides glass transition temperature (T_g) above 165°C along with excellent combination of mechanical, electrical and thermal properties.

Advantages

High chemical resistance
Highly soluble in polar solvents
Long pot life at ambient temperature
Provide stable 'B' Stage

Applications

Components for high chemical resistance
Electrical components
General engineering components
Structural composites

Processing

Filament windings
Prepreg
Pultrusion

Typical specifications

Properties	Unit	Test method	Values
Appearance	-	Visual	Brown, viscous liquid
Amine value	mgKOH/g	ASTM D2073	555 - 625
Viscosity at 25°C	m Pas	ASTM D2196	25,000 - 35,000
Pot life at 25°C ¹	Minutes	ASTM D2471	> 4
AHEW	g/eq	-	47 ± 2
Recommended ratio	w/w	-	23.7 - 25.8

¹Pot life of 100 g mix mass. Mixing ratio with Lapox L-12 (EEW 190): Lapox AH-657 is 100:25 w/w.

Packaging

Lapox AH-657 is available in 200 kg MS or HDPE drums. Other packing may be considered on request.

Storage and handling

Lapox AH-657 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 one year, if stored in its original container between 18°C and 25°C away from humidity and excessive heat. 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.

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.

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