

Description Lapox AH-332 hardener is a modified polyamine based hardener suitable for high mechanical performance applications in static and dynamic load conditions. The components cured at room temperature provides an excellent handling strength, the optimum properties, however, will only be obtained after post curing at temperature of more than 50°C. Fully cured components prepared by this system are recommended to operate between (-)60°C to (+)80°C temperature.

Applications This system is suitable for very large range of applications including wind turbine blades, ships and boats, gliders, motor gliders and planes, recreational and sporting goods, moulds and tools, automotive, electrical, and other industrial and house hold components.

Processing Contact pressure moulding
 Filament winding
 Resin infusion (RI)
 Resin transfer moulding (RTM)
 Vacuum and pressure bag techniques
 Wet layup

Typical specifications

| Properties | Unit | Test method | Values |
|---|-------------------|-------------|--------------|
| Appearance | - | Visual | Clear liquid |
| Colour | GS | ASTM D1544 | Max 4 |
| Viscosity at 25°C | m Pas | ASTM D2196 | 150 - 300 |
| Density at 25°C | g/cm ³ | ISO 1183 | 0.98 - 1.04 |
| Pot life at 25°C for 100 g mix ¹ | Minutes | ASTM D 2471 | 08 - 14 |
| Potential Tg ¹ | °C | DIN 11357-2 | 80 - 90 |

¹Pot life and potential Tg with resin Lapox ARL-135 LV

Packaging Lapox AH-332 is available in 1 kg HDPE bottles. Other packing may be considered on request.

Storage and handling Lapox AH-332 has a shelf-life of 1 year if stored in their original sealed containers. Hardener may crystallise if stored below 15°C. Crystallisation may be reversed completely by heating the material between 60°C and 70°C. It is recommended to use resin and hardener only when they are clear and free from cloudiness. Hardener may cause irritation to sensitive skins. If contact does occur then it should be washed off immediately with soap and warm water. 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[®] AH-332

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.

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

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