

Description Lapox AH-411 hardener is an ambient curing cycloaliphatic amine. Good colour and colour stability are the promising features of this curing agent, which produces films with non-blushing and excellent gloss.

Applications Composites part manufacturing
Self-levelling floors
Solvent free | high solid coatings, gel coats etc.

Processing Resin Infusion
Resin transfer moulding (RTM)

Typical specifications

Properties	Unit	Test method	Values
Appearance	-	Visual	Clear liquid
Colour	AHPA	ASTM D1209 ASTM D 5386	Max 30
Viscosity at 25°C	m Pas	ASTM D2196	10 - 20
Density at 25°C	g/cm ³	ISO 1183	0.89 - 0.90
Pot life at 25°C for 100 g mix ¹	Minutes	ASTM D1726	90 - 120
Use level ¹	PHR	-	22
Potential Tg by DSC	°C	DIN 11357-2	140 - 155

¹With standard liquid epoxy resin of EEW 190

Packaging Lapox AH-411 is available in 1 kg HDPE bottles. Other packing may be considered on request.

Storage and handling Lapox AH-411 has shelf-life of 2 years 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.

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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LAPOX[®] AH-411

Technical Data Sheet | Polymers Business



Note

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

Manufacturing site

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