

**Description** Lapox ARL-135 is a modified liquid epoxy resin of very low viscosity. This resin is specially modified to give perfect wetting and adhesion to most substrates. It can be suitably formulated into high strength laminates with different fibers like glass, carbon and aramid fibers.

**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, as well as other industrial and house hold components.

**Processing** Filament winding  
Pultrusion  
RI (resin infusion)  
RTM  
Wet layup and contact press moulding

**Typical specifications**

Properties	Unit	Test method	Values
Appearance	-	Visual	Clear liquid
Colour	GS	ASTM D1544	Max 2
Density at 25°C	g/cc	ISO 1183	1.1 - 1.2
Viscosity at 25°C	cPs	ASTM D2196	1,700 - 2,200
Epoxy value	Eq/kg	ASTM D1652	5.41 - 5.88

**Packaging** Lapox ARL-135 is available in is available in 30 kg, 110 kg and 240 kg carboys. Other packing may be considered on request.

**Storage and handling** Lapox ARL-135 are stable at least for 2 years if stored in its original container. Care must be taken to avoid direct contact with skin. If contact does occur, then wash 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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**Note** Lapox<sup>®</sup> is a registered trademark of Atul Ltd.

# LAPOX<sup>®</sup> ARL-135

Technical Data Sheet | Polymers Business



## **Manufacturing site**

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