

Description Lapox ARB-54 is a liquid epoxy resin based on bisphenol-A. At room temperature, it is transparent high viscous liquid and has low flowability. This resin has universal acceptability with excellent mechanical, thermal and chemical resistance property, when cured appropriately. It can be cured with Polyamidoamide, Cycloaliphatic amines, Mercaptans and Aliphatic amine. It can also be used with other epoxy resins to improve toughness, flexibility and adhesion in protective coatings.

Advantages Light color
Very good flexibility of films
Excellent adhesion to variety of substrates

Applications Two component epoxy adhesives
Solvent based coatings
Industrial and marine coatings

Typical specifications	Properties	Unit	Test method	Values
	Appearance	-	Visual	Viscous liquid
	Color	APHA	ASTM D1544	Max 75
	Epoxy value	eq/kg	ASTM D1652	3.85 - 4.20
	Epoxy equivalent weight (EEW)	gm/eq	ASTM D1652	238 - 260
	Viscosity at 25 °C ¹	mPa s	ASTM D2196	600 - 720
	Moisture Content	%	ASTM D	Max. 0.5

¹Viscosity of 70% solid in butyl carbitol

Packaging Lapox ARB-54 is available in 220 kg steel drums.
Other packing may be considered on request.

Storage and handling Lapox ARB-54 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 two years, if stored in its original container between 18°C and 25°C away from humidity and excessive heat.

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 Safety Data Sheet (SDS) of Lapox ARB-54 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.

LAPOX ARB-54

Technical Data Sheet | Polymers – Performance Materials



Contact

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Note

Lapox® is a registered trademark of Atul Ltd.

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