

Description Lapox ARP-14 HF is an unmodified medium molecular weight solid epoxy resin based on bisphenol-A. It is available in the form of flakes. Due to low melt viscosity of this resin it provides uniform flow and excellent edge coverage in powder coating applications. It can be cured with dicyandiamide, accelerated dicyandiamide, various phenolic curing agents and carboxyl terminated polyesters.

Advantages Excellent flow
High gloss

Applications Epoxy-polyester hybrid powder coatings
Pure epoxy powder

Processing Spray coating

Typical specifications

Properties	Unit	Test method	Values
Appearance	-	Visual	Light-yellow solid flakes
Colour ¹	GS	ASTM D1544	Max 1
Epoxy value	Eq/kg	ASTM D1652	1.17 - 1.28
Viscosity at 25°C ¹	m Pas	ASTM D2196	480 - 580
Melt viscosity at 150°C	m Pas	ASTM D4287	3,800 - 5,000
Softening point ²	°C	ASTM E28	85 - 90
Epoxy equivalent weight (EEW)	g/eq	ASTM D1652	781 - 854

¹40% solution in butyl carbitol

²Ball and ring method

Packaging Lapox ARP-14 HF is available in 25 kg bags. Other packing may be considered on request.

Storage and handling Lapox ARP-14 HF 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 2 years, 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.

LAPOX[®] ARP-14 HF

Technical Data Sheet | Polymers Business



Contact

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Note

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

Manufacturing site

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