

Description

Lapox P-3 is an unmodified low molecular weight solid epoxy resin (type-1) based on bisphenol-A. It is available in form of solid lump. It can be dissolved in various polar and non-polar solvents for high solids coatings, paints and enamels. These solutions are suitably cure with various hardeners like polyamines, polyamides, phenalkamines and cycloaliphatic amines for room temperature cure system. It can also be formulated to backing enamels using phenolic and melamine hardeners at elevated temperature.

Advantages

Good flow, leveling
 Good storage stability of powders
 High impact strength
 Very good flexibility of films

Applications

Epoxy-polyester hybrid powder coatings
 Pure epoxy powder

Processing

Powder coatings

Typical specifications

Properties	Unit	Test method	Values
Appearance	-	Visual	Light-yellow, solid flakes
Colour ¹	GS	ASTM D1544	Max 2
Epoxy value	Eq/kg	ASTM D1652	2.15 - 2.22
Viscosity at 25°C ¹	m Pas	ASTM D2196	160 - 190
Softening point ²	°C	ASTM E28	65 - 75
EEW	g/eq	ASTM D1652	450 - 465

¹40% solution in butyl carbitol

²Ball and ring method

Packaging

Lapox P-3 is available in 25 kg bags. Other packing may be considered on request.

Storage and handling

Lapox P-3 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. 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 vapors, 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.

Contact

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Note

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

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