

Description Lapox P-122 is an unmodified medium molecular weight solid epoxy resin (type-4) based on bisphenol-A. It is available in form of flakes. It is suitable for functional powder coatings i.e. fusion bonded epoxy powders for pipe and rebar. It can be cured with dicyandiamide, accelerated dicyandiamide, various phenolic curing agents and carboxyl terminated polyesters. Powder coating formulations based on Lapox P-122 provides high mechanical properties, appropriate gel time, excellent adhesion and flexibility.

Advantages Excellent adhesion and flexibility
Good storage stability
High mechanical properties

Applications Pipe and rebar coatings

Processing Powder coatings

Typical specifications	Properties	Unit	Test method	Values
	Appearance	-	Visual	Light-yellow solid flakes
	Colour ¹	GS	ASTM D1544	Max 1
	Epoxy value (100% solid)	Eq/kg	ASTM D1652	1.07 - 1.16
	Viscosity at 25°C ¹	m	ASTM D2196	620 - 900
	Melt viscosity at 150°C	m	ASTM D4287	5,500 - 10,200
	Softening point ²	°C	ASTM E28	100 - 110
	Moisture content	%	-	Max 0.1
	Epoxy equivalent weight (EEW)	g/eq	ASTM D1652	862 - 934.5

¹40% solution in butyl carbitol

²Ball and ring method

Packaging Lapox P-122 is available in 25 kg bags. Other packing may be considered on request.

Storage and handling Lapox P-122 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[®] P-122

Technical Data Sheet | Polymers Business



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Note

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

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