

**Description** Lapox P-5 is an unmodified high molecular weight solid epoxy resin (type-7) based on bisphenol-A. It is available in form of flakes. It is suitable for one pack stoving enamels in combination with melamine and amino type hardeners at elevated temperature. Such enamels made from Lapox P-5 are suitable for interior and exterior coatings of can, tubes, coils and drums linings. The cured film shows excellent flexibility and adhesion coupled with chemical resistance.

**Advantages** Excellent flexibility and adhesion

**Applications** Can and coil coatings

**Processing** Spray and roller coatings

Typical specifications	Properties	Unit	Test method	Values
	Appearance	-	Visual	Light-yellow solid flakes
	Colour <sup>1</sup>	GS	ASTM D1544	Max 2
	Epoxy value	Eq/kg	ASTM D1652	0.53 - 0.59
	Viscosity at 25°C <sup>1</sup>	m Pas	ASTM D2196	1,800 - 2,600
	Softening point <sup>2</sup>	°C	ASTM E28	110 - 120
	Epoxy equivalent weight (EEW)	g/eq	ASTM D1652	1,695 - 1,886

<sup>1</sup>40% solution in butyl carbitol

<sup>2</sup>Ball and ring method

**Packaging** Lapox P-5 is available in 25 kg bags. Other packing may be considered on request.

**Storage and handling** Lapox P-5 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<sup>®</sup> P-5

Technical Data Sheet | Polymers Business



## Contact

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## Note

Lapox<sup>®</sup> is a registered trademark of Atul Ltd.

## Manufacturing site

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