



MODIFIED EPOXY RESIN FOR LAMINATION AND CASTING

DESCRIPTION :-

EPOXILITE LC - 051 is Bisphenol- A liquid epoxy resin modified with reactive diluents. This resin is lower viscosity and it proves advantages while formulating epoxy system. The low viscosity improves the cost effectiveness by increasing the filler loading of a formulation. And also a wide range of curing agents are available to cure this epoxy resin low color, low viscosity modified epoxy resin suitable to at ambient temperature. The cured mass gives high gloss and excellent surface finish suitable for casting applications. The film withstand variety of chemicals includes acids, alkali, alcohols and hydrocarbon solvents. Excellent low color of the hardener makes it materials of choice for casting applications.

Advantages :-

- Low viscosity
- High gloss
- Work at low humidity.
- * Excellent chemical resistance
- * Blushing free

Applications :-

- Lamination casting .
- Clear casting.
- Transparent coatings.
- * Civil engineering applications
- * High solids and solvent free applications.
- * Adhesives.

Specification Data : RESIN LC - 051

Properties	Unit	Typical Value
Appearance	Visual	Clear to Light Yellow
Color	Gardener	0.5 max.
Epoxy Equivalent Weight	g/eg	170 - 185
Viscosity @25 ^o C	cPs	740- 900

Typical Prosperities :- RESIN LC - 051

Properties	Unit	Typical Value
Non – volatile content	---	100%
Density	g/ml	1.80
Epoxide value	---	4.12 – 4.52
Flash Point	C ⁰	120
Moisture content	---	0.2%

Typical properties are indicated for information only

Packing :- EPOXILITE LC - 051 is packed and delivered in plastic drums, 30 kg per drum as a standard pack. Other pack sizes are available on request.

Storage :- EPOXILITE LC - 051 should be stored in original tightly closed container, in dry and cool conditions. When exposed to air the product EPOXILITE LC - 051 may absorb moisture which may result in viscosity increase, frothing and white carbonation product deposition. In such case it may affect the appearance of final casting. When stored in tightly closed container this product has a storage life of at least one year from the date of manufacturing.

Handling :- Do not mix with epoxy hardener until just prior to use since reacts chemically at room temperature. Avoid contact with skin, eyes etc. Please refer to the MSDS of the product for more instructions on safe storage and handling of EPOXILITE LC - 051.

Disclaimer

All recommendations for use of our products whether given by us in writing, verbally or to be implied from the results of tests carried out by us are based on the current state of our knowledge. Although, the information contained in this sheet is accurate, no liability can be accepted in respect of such information. We warrant only that our product will meet the designated specifications and make no other warranty either express or implied, including any warranty of merchantability or fitness for a particular purpose as the conditions of application are beyond our control.

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