

WXDIC[®] EPOXY RESIN 1050

Description

WXDIC 1050 is a medium molecular weight solid epoxy resin, which is manufactured from liquid epoxy resin and bisphenol A.

Introduction

WXDIC 1050 is a medium molecular weight solid epoxy resin. 1050 can be applied for room temperature curing coatings and two-component baking coatings by using polyamine or polyamide as curing agent. The solidified film has excellent water, chemical resistance and adhesion, and is suitable for application as anticorrosive coating for the lining of ships, bridges, coastal buildings, pipelines, storage tanks, etc.

1050 can also be used as modifier in acrylate baking coatings and amino-alkyd baking coatings. The addition of epoxy resin can enhance the adhesion, corrosion resistance and other properties of the coating, so that it can be used as a high-grade surface coating for automobiles and household appliances.

Typical Applications

This product is suitable for use in applications such as:

- Baking coatings
- Floor coatings
- Anti-corrosive coatings
- Composite materials
- Automobile coatings
- Ship building & Heavy duty anti-corrosive
- Can coatings

Typical Properties

Property ⁽¹⁾	Value
Appearance	Solid
Mechanical impurity	No
Color (Gardner)	2 Max ⁽²⁾
Epoxy Equivalent (g/mol)	450-500
Solution Viscosity at 25 °C (Gardner)	D-F ⁽³⁾
Volatile / 150°C, 40min (%)	0.5 Max

(1) Typical properties, not to be construed as specifications.

(2) 40% solution of diethylene glycol butyl ether.

(3) 70% Butyl carbitol solution.

Packaging and Storage

WXDIC 1050 is supplied as flakes in 25 kg paper bags. It is recommended that this solid epoxy resin be stored in a cool and dry place in its original closed packaging in order to avoid sintering of the material. When the ambient temperature reaches more than 20°C, 1050 should be stored in cold storage. The product should not be stored exposed to fire or direct sunlight. Under these conditions the self life should be a minimum of 12 months from date of manufacture.

Safety and Handling

Mandatory and recommended industrial hygiene procedures should be followed whenever our products are being handled and processed. For additional information please consult the corresponding product Safety Data Sheets.

Contact information

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