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Insul MWI-50

Chemical Base

Insul MWI 50 is a Bisphenol A / formaldehyde based phenolic resin. It is a heat reactive resin, having excellent compatibility with a broad range of wire enamels like polyesters , Polyesterimides and Polyvinyl Formals.

Properties:-

The resin is light in colour. The resin when used in wire enamels improves the flow properties on wires , providing an excellent surface to the coated wire .Further to this it improves the .mechanical, thermal & electrical properties of the enameled wire .Property enhancement of this Phenolic resin is applicable to enamels based on Polyesters, Polyestremides and Poly vinyl formal by cross linking reaction. It's antioxidant properties are an added advantage .

Usage

In wire enamel as described above, it improves the flow properties of the enamel in addition to improving mechanical , electrical and thermal properties.

Recommended Quantity.

Maximum 2 % by weight calculated on total weight of wire enamel, for polyesters and 1% for polyesterimides.

Typical Properties of Insul MWI-50

Properties	Test Method	UNIT	RESULTS
Colour & Appearance [*]	Visual	-	Clear light yellow liquid
Viscosity at 30°C by Ford cup 4 mm [*]	MWP-TM-007[**]	Secs	40-60
Non Volatile Matter [*]	MWP-TM-008 [**] 1gm./ 150° C / 1hr.	%	50 - 52
Flash point	MWP-TM-005 [**] (Closed Cup)	°C	30
Storage Stability/Shelf life[*]	In original sealed containers below 45° C in a dry place	months	6

[*] These properties form our sales specification

[**] Internal test methods available on request

Packaging and storage

Type	Qty
MS Barrel Qty	25 and 200 Kgs.
Per Pallet Quantity	800 Kg.

The above values are for guidance & are given in good faith without any warranty.

Safe handling

Insul MWI-50 is Corrosive liquid. Personal Protective Equipments like PVC hand gloves, safety goggles, face shield ,Safety shoes etc. should be used while handling the product. In the unfortunate event of a fire,Use foam, CO2 or dry chemical for fire fighting.

Inhalation and direct contact with the skin ,eyes etc. should be avoided. Wash thoroughly after handling the product .Remove contaminated clothes immediately. In case of contact, the affected area should be washed with soap and plenty of water. Seek medical help. when needed.