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ISO/TS 16949
BUREAU VERITAS
Certification



ISO 9001
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TECHNICAL DATA

PAO IM WE00

Type : Waterborne Epoxy Impregnating Resin

Introduction

PAO IM WE00 is a series of eco-friendly, safe, non-toxic and low-odor waterborne epoxy resin. The emission of VOCs is none and with good workability. It is a waterborne epoxy resin developed with special chemical resistance and selected resins. It is widely used in motors, transformers, coils and other products to provide insulation, moisture resistance, corrosion resistance, and fixation.

Features and Benefits

1. Environmental friendly and aqueous
2. Low viscosity & odor

Properties of component

Property	Conditions	Value
Appearance	-	White opaque emulsion
Non volatile content	150°C*3g*1hr	52.5 ±3.0 %
Viscosity Brookfield	30°C	200 ±100 cps



Simple operation process

1. Soak the pre-impregnated item into PAO IM WE50 coating.
2. Leave the impregnated substance in the paint for 10-30 minutes until no bubbles emerge from the liquid surface.
3. Hang the impregnation and let it drip for about 10-30 minutes to dry in the shade to ensure that the paint no longer hangs down.
4. Put the impregnated article into the oven to dry, the oven temperature is 120°C*6~10 hours or 150°C*4~8 hours to harden

Cured Resin Properties

Mechanical Properties	Conditions	Value (N)
Bond Strength (ASTM D2519) Helical coils	25°C	260
	100°C	210
	150°C	160

ELECTRICAL PROPERTIES	Conditions	Value (Volts/mils)
Dielectric strength	ASTM D149	4100
	ASTM D149 After 24 hours in water	3800

Note

1. The curing process varies under different conditions. For initial usage, please consult with our technical department.
2. The attached data are typical characteristics, which may vary due to differences in testing instruments and methods. They are for reference only and are not used as standards or specifications.