DVB-2318

Solvent-based insulation varnish

DVB-2318 mainly consists of phenol modified polyester resin and features type H (180 ℃) heat resistance. This product features superior electrical, mechanical, and chemical properties, which makes it suitable as an insulating varnish for impregnation of medium- and large-sized motors.

Usage	For impregnation of medium- and large-sized motors and transformers

Specification

Type of varnish	One-component phenol modified polyester resin		
Product Features	1. It features outstanding heat resistance. (Type H: 180℃) 2. It features outstanding elasticity. 3. It features outstanding adhesiveness. 4. It features outstanding compatibility with magnet wires.		
Thinner	DTE-8303	Storage stability (room temperature)	Over 6 months
Exterior	Transparent light brown		
Viscosity	0.5 - 1.0 POISE	Curing conditions	2 - 5 hours at 130 - 160 ℃
Specific gravity	0.95 ± 0.02	UL-certified	Not certified
Curing time	Within 1 hour (TIN plate, 120 ℃)	Storage conditions	Store in a shaded indoor space with sufficient ventilation.
Mixing ratio	Base : Thinner = 100 : 20 - 50 (Weight)	Shelf life	6 months from the manufacturing date (when storage conditions are met)

Product Properties (Physical Property Data)

Breakdown voltage	Above 8.5 KV (Twist Pair method, MW-5 Coil)
Volume resistivity	At least 1.0 × 10^{14} Ωcm

How to Use

How to Use	1. Mix evenly after adding the substances according to the designated mixing ratio. 2. Preheat the substrate at 80 - 120 ℃ for 10 - 30 minutes to eliminate cutting oil and debris from the substrate. 3. Maintain the surface temperature of the substrate at 40 - 50 ℃. 4. Impregnate it in well-mixed varnish for 2 - 5 minutes. (Impregnation in the vacuumed state can increase the penetrance.) 5. Leave until the varnish does not fall off from the substrate (10 - 30 minutes at room temperature). 6. Dry according to the designated curing conditions.
Caution	1. When the varnish temperature is high, there is a risk of varnish turning into gel. So maintain the varnish temperature inside the tank at below 30 ℃. 2. Instructions above may vary depending on the type of substrate and the painting line conditions.

▶ The data shown above were obtained under the laboratory conditions, and the product properties may vary depending on work method and circumstances. Please refer to the property data listed above only as reference.