

DVA-1407

Solvent-based insulation varnish



DVA-1407 is an insulating varnish for impregnation and finishing that mainly consists of epoxy modified resin. It features type F (155 °C) heat resistance. This product can be cured at room temperature. It can be applied as a finishing agent for surface protection after impregnation of electric components.

Usage

For surface protection of general motors

Specification

Type of varnish	One-component epoxy modified resin		
Product Features	<ol style="list-style-type: none">1. It features outstanding heat resistance. (Type F: 155 °C)2. It can be cured at room temperature.3. It features outstanding electrical properties.4. It features outstanding rust resistance.		
Thinner	DTE-8303	Storage stability (room temperature)	Over 6 months
Exterior	Transparent light brown		
Viscosity	2.0 - 4.0 POISE	Curing conditions	Over 24 hours at 25 °C
Specific gravity	0.97 ± 0.02	UL-certified	Not certified
Set-to-touch drying (25 °C)	Within 1 hour	Storage conditions	Store in a shaded indoor space with sufficient ventilation.
Mixing ratio	Base : Thinner = 100 : 10 - 20 (Weight)	Shelf life	6 months from the manufacturing date (when storage conditions are met)

Product Properties (Physical Property Data)

Breakdown voltage	Above 4 KV (Twist Pair method, MW-5 Coil)
Volume resistivity	At least $1.0 \times 10^{13} \Omega\text{cm}$

How to Use

How to Use	<ol style="list-style-type: none">1. Mix evenly after adding the substances according to the designated mixing ratio.2. Preheat the substrate at 80 - 120 °C for 10 - 30 minutes to eliminate cutting oil and debris from the substrate.3. Maintain the surface temperature of the substrate at 40 - 50 °C.4. Use a brush, roller, or spray to apply the varnish on the motor surface.5. Dry by placing the product in an area without dust or debris.
Caution	<ol style="list-style-type: none">1. The ratio of thinner may vary depending on the paint line conditions. (Brush or roller: Below 15 %, Spray: Below 20 %)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.