

# DVB-2129

## Non-solvent-based insulation varnish



DVB-2129 is a type F (155 °C) insulating varnish for dripping that mainly consists of unsaturated polyester resin. It features outstanding adhesiveness and forms an even film after curing. This product is suitable for dripping work on electric tools, armatures for cleaners, and high-speed rotating engines that cause extreme vibration.

Usage

Dripping of armatures of high-speed rotating devices

### Specification

Type of varnish	Two-component unsaturated polyester resin		
Product Features	<ol style="list-style-type: none"><li>1. It features outstanding heat resistance. (Type F: 155 °C)</li><li>2. It features outstanding internal curing.</li><li>3. It features outstanding electrical properties.</li><li>4. It features outstanding adhesiveness.</li><li>5. It features outstanding compatibility with magnet wires.</li></ol>		
Thinner	DTB-7302	Storage stability (40°C) (A + B)	At least 20 hours
Exterior	Transparent light brown		
Viscosity	6 - 8.5 POISE	Curing conditions	50 - 60 minutes at 120 - 130 °C
Specific gravity	1.11 ± 0.02	UL-certified	Not certified
Gel time (120 °C)	2 - 4 min.	Storage conditions	Store in a shaded indoor space with sufficient ventilation.
Mixing ratio	A : B = 100 : 1 (Weight)	Shelf life	6 months from the manufacturing date (when storage conditions are met)

### Product Properties (Physical Property Data)

Breakdown voltage	Above 9 KV (Twist Pair method, MW-5 Coil)
Volume resistivity	At least $5.0 \times 10^{15} \Omega\text{cm}$

### How to Use

How to Use	<ol style="list-style-type: none"><li>1. Mix evenly after adding the substances according to the designated mixing ratio.</li><li>2. Preheat the substrate at 80 - 120 °C for 10 - 30 minutes to eliminate cutting oil and debris from the substrate.</li><li>3. Maintain the surface temperature of the substrate at above 100 °C.</li><li>4. Rotate the substrate and drip the evenly mixed varnish using a nozzle.</li><li>5. Rotate the substrate until the varnish does not drop any longer, and dry it according to the designated curing conditions.</li></ol>
Caution	<ol style="list-style-type: none"><li>1. Liquid B (hardener) is sensitive to heat. So store it in a refrigerated space.</li><li>2. 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 °C.</li><li>3. Instructions above may vary depending on the type of substrate and the painting line conditions.</li><li>4. Please refer to the MSDS when handling the product.</li></ol>

► 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.