

DVB-8100

Solvent-based insulation varnish



DVB-8100 is a one-component epoxy adhesive for powdered magnetic core and is applied to prevent destruction of powdered magnetic core from external shock. This product features outstanding adhesive strength along with outstanding L and core loss properties.

Usage

For impregnation of powdered magnetic core

Specification

Type of varnish	One-component epoxy resin		
Product Features	<ol style="list-style-type: none">1. It features outstanding adhesive strength.2. It is a one-component product which can be used conveniently.3. It features outstanding workability.4. It features outstanding L and core loss properties.5. It features outstanding heat resistance.		
Thinner	-	Storage stability (25 °C)	Over 1 month
Exterior	Transparent liquid		
Viscosity	0.1 - 0.3 POISE	Curing conditions	190 °C X 1 HR
Specific gravity	1.20 ± 0.02	UL-certified	Not certified
Curing time (190 °C)	Within 1 hour	Storage conditions	Store in a shaded indoor space with sufficient ventilation.
Mixing ratio	One-component type	Shelf life	6 months from the manufacturing date (when storage conditions are met)

Product Properties (Physical Property Data)

Adhesive strength (25 °C)	60 kgf/cm ²
Hardness (SHORE-D)	90

How to Use

How to Use	<ol style="list-style-type: none">1. Impregnate the substrate in the adhesive under vacuum or at atmospheric pressure.2. Impregnate it in the washing solvent and wash for less than 1 minute.3. Dry it for 1 hour at 190 °C in the drying furnace.
Caution	<ol style="list-style-type: none">1. The agent includes highly volatile substance. So seal the container after use.2. This product is a one-component type. When the adhesive temperature is high, there is a risk of the adhesive turning into gel. So maintain the adhesive temperature inside the tank at below 30 °C.3. Instructions above may vary depending on the type of substrate and the painting line conditions4. Please refer to the MSDS when handling the product.

► 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.