

# DEM-2500

## Insulation resin for Casting



DEM-2500 is an excellent product for casting that mainly consists of epoxy resin. It acquired flammability UL94 V-0 certification. This product features outstanding adhesiveness, elasticity, and water resistance and is suitable for casting general components.

Use

For casting electric components

### Specification

Type of varnish	Two-component epoxy resin		
Product Features	<ol style="list-style-type: none"><li>1. It acquired flammability UL94 V-0 certification.</li><li>2. It features outstanding thermal shock resistance.</li><li>3. It features outstanding electrical properties.</li><li>4. It features outstanding adhesiveness.</li><li>5. It features outstanding water resistance.</li><li>6. It can be cured at low temperature as well as at room temperature.</li></ol>		
Thinner	None	Pot time (25 °C) (A + B)	30 min.
Exterior	Black		
Viscosity	180 - 220 POISE	Curing conditions	25 °C x 24 hours or more / 60 °C x 4 hours
Specific gravity	1.45 ± 0.02	UL-certified	Flame retardant level V-0 (UL-94, E209384)
Set-to-touch drying (25 °C)	3 hours	Storage conditions	Store in a shaded indoor space with sufficient ventilation.
Mixing ratio	A : B = 100 : 20 (Weight)	Shelf life	6 months from the manufacturing date (when storage conditions are met)

### Product Properties (Physical Property Data)

Breakdown voltage	Above 20 KV/mm
Volume resistivity	At least $1.0 \times 10^{14} \Omega \text{cm}$
Hardness	75 - 85 (SHORE-D)
Hygroscopicity	Below 0.1 %

### 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. Defoam with vacuum to eliminate air pockets.</li><li>3. Inject well-mixed epoxy to the substrate.</li><li>4. Dry according to the designated curing conditions.</li></ol>
Caution	<ol style="list-style-type: none"><li>1. Instructions above may vary depending on the type of substrate and the painting line conditions.</li><li>2. 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.