DEM-8004

Insulation resin for Casting

DEM-8004 is an excellent paint for casting that mainly consists of epoxy and modified amin resin. It features outstanding adhesiveness, elasticity, and water resistance. Especially, it has outstanding thermal shock property.

Usage	For casting electric components and relay components		
	Spec	ification	
Type of varnish	2K epoxy resin type		
Product features	 It features outstanding thermal shock resistance. It features outstanding water resistance capability. It features outstanding electrical property values. It features outstanding adhesiveness. 		
Thinner	None	Pot time (25 °C) (A + B)	30 min.
Exterior	White		
Viscosity	200 - 360 POISE	Curing conditions	90 °C x 1 hour + 100 °C x 2 hours
Specific gravity	1.73 ± 0.02	UL-certified	Not certified
Gel time (90°C)	8 - 10 min.	Storage conditions	Store in a shaded indoor space with sufficient ventilation.
Mixing ratio	A : B = 100 : 8 (Weight)	Shelf life	3 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 Ω cm		
Thermal shock resistance	Over 50 cycles (Cycle: -40 °C x 1 HR -> 140 °C x 1 HR)		
Hygroscopicity	Below 0.1 %		
	Ном	v to Use	
	1. Mix evenly after adding the substances according to the designated mixing ratio.		
How to Use	2. Defoam with vacuum to eliminate air pockets.		
	3. Inject well-mixed epoxy to the substrate.		
	4. Dry according to the designated curing conditions.		
	1. Instructions above may vary depending on the type of substrate and the painting line conditions.		
Caution	2. Please refer to the MSDS when handling the product.		
 The data shown above were property data listed above only 	obtained under the laboratory conditions, and the produ as reference.	ct properties may vary depending o	on work method and circumstances. Please refer to the

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