EP-177NPF

Transparent Epoxy Potting Compound

Features

- Good flow for easy potting, high transparency and low yellowing.
- After curing, it has very good chemical resistance and good weather resistance.
- Suitable for potting electronic components and plastic products.
- Complies with RoHS requirements.

Basic Physical Properties

			Part A	Part B
Color	:		Transparent	Transparent
Viscosity	:	@25°C, S14 100rpm, cps	1,650 ~ 2,750	--
		@25°C, S21 100rpm, cps	--	≦50
Specific Gravity	:		1.15 ~ 1.17	0.94 ~ 0.96
Mixing Ratio by Weight	:	A:B	3:1	
Working Time	:	@25°C	3 hours	
Curing Conditions	:		25°C x 5 ~ 7 days 80°C x 1 ~ 1.5 hours	

Physical Properties after Curing

Specific Gravity after Mixing	:	@25°C	1.0 ~ 1.2
Hardness	:	Shore D	81 ~ 87
Volume Resistivity	:		3.5×10^{14} ohm-cm
Surface Resistance	:		8.7×10^{12} ohm
Dielectric Constant	:	@100Hz	4.1
Coefficient of Thermal Expansion	:	<Tg	55 μm/m/°C
		>Tg	157 μm/m/°C
Glass Transition Temperature	:	MDSC	40°C
Thermal Decomposition Temperature	:	TGA 10°C/min	312°C
Water Absorption	:	@25°C, 24hrs	0.7%
		@80°C, 24hrs	2.2%
		@97°C, 1.5hrs	2.0%
Weight Loss	:	@100°C	0%
		@150°C	0.62%
		@200°C	0.91%
		@250°C	1.42%
		@300°C	3.9%
		@350°C	11.99%
Shelf Life	:	@25°C, unopened	1 year

※ Store in a cool, shaded place. Exposure to sunlight causes the resin and hardener to yellow and should be avoided as much as possible.

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