

UV 255

Flexible UV Epoxy

Description

UV 255 is a low viscosity, fast cure epoxy which can be cured either by heat or UV light. The cured material has excellent flexibility, good adhesion to a variety of substrates including metals, glass and plastics. It does not contain volatiles and is very suitable for electronic applications. The thixotropic index has been designed for better control of the flow.

Applications

1. UV or heat curable adhesive for plastics, glass and metals.

Guidelines for Use

1. Thaw the epoxy to room temperature (25°C) before use.
2. Dispense the epoxy by using a syringe.
3. Wipe off any excess uncured adhesive with a piece of dry cloth or tissue. Further cleaning may be achieved with tissue dabbed with isopropanol alcohol (IPA).
4. Expose the epoxy to long UV wavelength light in the 320-380 nm range at 60 mW/cm² for 20 seconds.
5. For application which UV curing is not preferred, alternatively this epoxy can be cured in a convection oven at 150°C for 10 minutes.

Properties

Property	Test Method	Unit	Typical Value
Chemical type			Epoxy
Appearance	Pen 10		Translucent, light grey liquid
Mix ratio, by weight			One component
Shelf life, -20°C	Pen 26	Month	6
Viscosity, 25°C	Pen 44	cPs	3,500
Thixotropic index	Pen37	-	2.6
Specific gravity	Pen 61		1.1
Hardness, cured 150°C/10min	Pen 29	Shore A	80
Water Absorption	Pen 21	%	1.2
Coefficient of Thermal Expansion	Pen 64	ppm/K	190
Filler type	-	-	Silica

Recommended Cure

Alternative cure	UV Intensity (mW/cm ²)	Cure time
A	60	20 sec

Alternative cure	Temp. (°C)	Cure time
B	150	10 min

Storage

Tightly close original container of unused product. Store below -20°C. Storing at lower temperatures down to -40°C may prolong shelf life beyond 6 months. However it may take longer time to thaw the product.

Packaging

- 10ml Black EFD Syringe
- 30ml Black EFD Syringe
- 55ml Amber EFD Syringe
- 500g Black Plastic Bottle

Environment, Health & Safety

This product is RoHS compliant. It does not contain any known carcinogenic, mutagenic or teratogenic components.

Contact Information

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