

Description

EW 6336 is a one-part, solvent free, UV and thermal dual curing epoxy. It is ideal for protecting sensitive components against mechanical and environmental stress on PCB/FPC.

Features

- Recommended substrates: glass, aluminum, stainless steel, PC, PCB and FPC
- UV and thermal curing system with instantaneous reaction upon UV irradiation

Uncured Properties

Chemical Type	Epoxy
Appearance	Blue
Viscosity @ 25°C [mPa·s] Brookfield DV2T, spindle 14# @ 20rpm	32,000
Specific Gravity [g/cm³]	~1.2
Shelf Life @ 2-8°C [months]	6
Pot life @ 25°C [hrs]	48

Curing Conditions

UV Curing [secs] UVA 100mW/cm ²	30
Depth of Light Cure [mm]	1
Thermal Curing @ 80°C [mins]	30

Cured Properties

Hardness [Shore D] ASTM D2240	70
Shear Strength [MPa] Stainless Steel	23
FR4	15
ASTM D1002	
Tensile Strength [MPa] ASTM D638	20
Elongation at Break [%] ASTM D638	70

Directions for Use

1. Surface Treatment

Surfaces to be bonded should be free of dust, oil, grease or any other contaminants in order to achieve a reproducible bond. For slightly contaminated surfaces, it is sufficient to wipe with isopropanol or ethanol. Substrates with a low surface energy (e.g. polyethylene, polypropylene, Teflon) need to be pre-treated physically (e.g. atmospheric plasma or corona) in order to achieve sufficient adhesion.

2. Application

Products are supplied ready for use. Depending on package type, they can be dosed manually, semi-automatically or fully-automatically with a dosage apparatus. With automatic dispensing using a cartridge, the adhesive is conveyed via pressure and a piston rod to a dispense valve. With bottles, the adhesive is conveyed using a pump.

After application, it is recommended that the two substrates be adjoined immediately as it is possible the curing process will begin with select products under ambient conditions.

3. Suggested working temperature range is -40 to 130°C.

Storage

Maximum shelf life may be obtained when product is stored in a cool, dry location at a temperature between **2°C to 8°C**.

TO PREVENT CONTAMINATION OF UNUSED PRODUCT, DO NOT RETURN ANY PRODUCT TO ITS ORIGINAL CONTAINER.

Allow the product to thaw for two hours after it is removed from the refrigerator prior to use. It is best practice to wipe away any moisture on the surface of the syringe with cleanroom wipes.

Materials Handling

Refer to the Material Safety Data Sheet (MSDS) for this product.

Available Package

30cc and 55cc syringe packages are available.

Disclaimer

The information provided here including the recommendations for use and application of the product is based on internal laboratory test conditions and should only be used as a reference. CollTech does not assume responsibility for the test or performance results obtained by the user. It is the responsibility of the user to perform their own evaluations to confirm whether this product is suitable for their application.