



EA6205 Technical Datasheet

Electronic Materials UV curable Adhesive

December 2015

Product Description

EA6205 is one-component, ultraviolet light curable adhesive designed for LCD terminal pin bonding applications.

The cured adhesive exhibits characteristics of high flexibility and toughness, good moisture resistance and good chemical resistance.

The product offers excellent adhesion to glass and is ideal in applications such as Flat Panel Display (FPD).

Features & Benefits

- High speed curing
- High toughness and impact strength
- Good moisture resistance
- Good adhesion to glass

Cure Schedule

The product cures in seconds upon exposure to ultraviolet radiation of 365nm.

Surface cure is enhanced by exposure to UV light in the 220 to 260 nm range.

Tack free energy (@365nm)..... 500 mJ/cm²

Typical Uncured Properties

Color	Green
Specific gravity(@25°C)	1.03
Viscosity	7,000 cps

Typical Cured Properties

Durometer	73D
Tensile Strength, at break	23 MPa
Elongation, at break	50%
Lap shear strength (Glass/Glass)	12 MPa

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Directions for use:

This product is light sensitive, exposure to daylight, UV light and artificial lighting should be kept to a minimum during storage and handling.

For best performance bond surfaces should be clean and free from grease, oil, dirt, or other contaminants.

Cure rate is dependent on lamp intensity, distance from light source, depth of cure needed or bond line gap and light transmittance of the substrate through which the radiation must pass.

Excess adhesive can be wiped away using organic solvents, e.g. IPA, MEK.

Bonded joints should be allowed to cool before subjecting to any service loads.

Storage and Handling

Product shall be stored in a cool, dry area in unopened containers at a temperature between 8°C to 25°C unless otherwise labeled.

Shelf life is 12 months from the date of manufacturing.

Health & Safety Precautions

Please see the Material Safety Data Sheet (MSDS) for proper handling and disposal instructions.

Note

The values noted in this data sheet are typical properties only and are not intended to be used as material specifications.

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