



# EA6204 Technical Datasheet

## Electronic Materials UV curable Adhesive

December 2015

### Product Description

EA6204 is one-component, ultraviolet light curable adhesive designed for LCD end-sealing applications.

The cured adhesive exhibits 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)..... 400 mJ/cm<sup>2</sup>

### Typical Uncured Properties

Color	Light yellow to amber
Specific gravity(@25°C)	1.04
Viscosity	10,000 cps

### Typical Cured Properties

Durometer	75D
Tensile Strength, at break	33 MPa
Elongation, at break	20%
Lap shear strength (Glass/Glass)	13 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.

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### 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.

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### Health & Safety Precautions

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

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### 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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