



EA6035 Data Sheet

Electronic Materials UV Curable Adhesive

Material Description

EA6035 is a fast UV cure adhesive. This product is suitable for bonding a wide variety of substrates including glass, plastics and metals. The product has shown excellent adhesion and a high degree of flexibility for use in high stress or CTE mismatched bonding applications.

Features & Benefits

- One component, requires no mixing.
- Fast curing.
- Good adhesion to glass, many plastics and many metals.
- Good flexible.
- High resistance to yellowing.

Curing Profile

Recommended cure:
100mW/cm²@365nm for 10s

For additional curing recommendations contact HB Fuller technical support.

Typical Uncured Properties

Property	Value
Appearance	Clear liquid
Component:	Polyurethane Acrylate
Viscosity (25°C, CP52, 10rpm), cps	2,000-4,000
Density (g/cm ³)	1.05

Typical Curing Properties

100mW/cm²@365nm

Property	Value
Tacky free time (s)	<6
Depth of cure MM@24s	8

Typical Cured Properties

(100mW/cm²@365nm for 24s)

Physical Property	Value
Hardness, Shore D	62
Tensile strength, at break, Mpa	16
Elongation at break, %	355
Lap shear strength, PC/PC, Mpa	14
Refractive Index	1.50
Surface Resistivity,	8*10 ¹⁴
Volume Resistivity,	8*10 ¹⁴
Dielectric Breakdown Strength,	22
Dielectric Constant / Dissipation Factor(1MHZ)	4.2/0.03

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Instruction 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.

Storage

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.

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