



EA6201

UV/Thermal Dual-Curable Adhesive

Material Description

EA6201 is a fast, UV/thermal dual-curable acrylate adhesive. This product is suitable for bonding a wide variety of substrates including glass, many plastics and most metals. This product has shown excellent adhesion, and is flexible after cure.

Features & Benefits

- Can cure at room temp with P13115 primer
- Good adhesion to glass, many plastics and metals
- Flexible after cure

Typical Uncured Properties	
Property	Value
Color	Light yellow
Viscosity at 25°C (cPs)	18,020
Density (g/cm ³)	1.09
Ti	4.1
Surface tack-free time at 100mW/cm ² (s)	< 10
Depth of cure at 24sec (mm)	6

Typical Cured Properties (100mW/cm ² at 365nm for 24s)	
Property	Value
Hardness	62 D
Tensile strength at break (MPa)	19.6
Elongation at break (%)	139
Young's modulus (MPa)	333.7
Tg (°C)	52.3
Lap shear strength, PC (MPa)	7.2
Lap shear strength, Glass/Al (MPa)	9.5
Volume Resistivity (Ω.cm)	8.0 x 10 ¹⁴
Surface Resistivity (Ω)	8.0 x 10 ¹⁴
Dielectric Strength (KV/mm)	22
Dielectric Constant at 1MHz	4.2
Dissipation Factor at 1MHz	0.03

Typical Cured Properties (One side with P13115, 25°C for 24 hours)	
Property	Value
Fixture time (min)	4
Lap shear strength, Al (MPa)	15.7

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Instruction for Use

1. Prior to bonding, surfaces must be free of any dust, oils, or other contaminants.
2. A UV lamp with a wavelength of 365nm is required; the UV light should be focused on the coated surface.
3. Curing speed is determined by the intensity of UV radiation, the distance from the UV light source and the coating surface. The depth of coating material can also affect cure time.
4. Immediately close the lid after use. A black hose must be used to dispense the adhesive.
5. This material should be stored away from sunlight, UV light and artificial light sources.

Cure Conditions

100mW/cm² @ 365nm for 24s +
One side with P13115 primer, 25C for 24hrs
80°C for 90min
120°C for 60min

Storage

EA6201 should be sealed and stored in original container between 8°C and 28°C in a dry, dark place. Shelf life at these conditions is 6 months from date of manufacture.

Health & Safety Precautions

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

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