

**VIVID CURE™ 86011**

**UV CURE EPOXY**

**TECHNICAL DATA** **APRIL 2016**

**Product Description**

An epoxy-based, cationic-curable adhesive and/or sealant. This product is activated by exposure to medium intensity UV radiation resulting in a high strength, chemical resistant, low outgassing polymer system capable of surviving exposure up to 200°C.

**APPLICATIONS**

- Electronics
- Encapsulation
- Sealant

**FEATURES**

- RoHS & REACH Compliant
- Excellent Chemical Resistance
- High Hardness
- Fast UV Cure

**SUBSTRATES**

- Metals
- Ceramics
- Glass

**PACKAGING**

- Syringes
- Bulk

<b>TYPICAL PROPERTIES OF UNCURED MATERIAL</b>	
Property	Value
Chemical Class	UV Epoxy
Appearance	Clear
Viscosity, 10 RPM @ 25°C, cps	2,000 to 3,500
Viscosity, 100 RPM @ 25°C, cps	2,000 to 3,000
Specific Gravity	1.16

<b>TYPICAL PROPERTIES OF CURED MATERIAL</b>	
Property	Value
Glass Transition Temperature (Tg), °C	135
Hardness, Shore	D80
Ultimate Tensile Strength, PSI	5,000
Elongation at Break, %	4
Operating Temperature Range, °C	-10 to 200
Volume Resistivity, Ω-cm	1 x 10 <sup>15</sup>

**\*All properties given are typical values and are not intended for use in preparing specifications.**

<b>CURE OVERVIEW</b>	
Cure Options	UV Cure, optimum wavelength is 310 nm.
Clean-Up Solvent	Isopropyl Alcohol

**SHELF LIFE, STORAGE**

18 ± 10°C      1 Year DOM

MATERIAL IS LIGHT SENSITIVE. CONSULT SDS FOR SAFE HANDLING RECOMMENDATIONS.

**THIS MATERIAL IS SOLD FOR INDUSTRIAL USE ONLY**

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