Resin Designs, LLC

Hybrid-Epoxy Electronics

Data Sheet Rev. #: 1

ACURA™ 86011

UV CURE EPOXY

TECHNICAL DATA **July 2014**

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	FEATURES	SUBSTRATES	PACKAGING
• Electronics	• Fast UV Cure	• Metals	• Syringes
• Encapsulation	• One Component	• Ceramics	
	• High Hardness	• Glass	

TYPICAL PROPERTIES OF UNCURED MATERIAL	
Property	Value
Chemical Class	UV Epoxy
Appearance	Clear
Viscosity, 10 RPM, cps	4,400
Viscosity, 100 RPM, cps	4,420
Specific Gravity	1.15
TYPICAL PROPERTIES OF CURED MATERIAL	
Property	Value
Glass Transition Temperature (Tg), °C	135
Lap Shear Strength, Al/Al, PSI	-
Hardness, Shore	D80
Ultimate Tensile Strength, PSI	5,000
Elongation at Break, %	4
Young's Modulus (20°C), PSI	-
Volume Resistivity, Ω-cm	-

*All properties indicate typical values which are not meant to be used for preparing specifications.

PROCESSING	
Work Life	
Cure Options	UV Cure, optimum wavelength is 310 nm.
Clean-Up Solvent	Isopropyl Alcohol

SHELF LIFE, STORAGE

18 ± 10° 1 Year DOM

THIS MATERIAL IS SOLD FOR INDUSTRIAL USE ONLY