

VIVID CURE™ 76011

SINGLE COMPONENT DUAL CURE UV ADHESIVE/ENCAPSULANT

TECHNICAL DATA February 2016

Product Description

Fast Curing urethane acrylate system for adhesion to difficult to bond plastics. In addition to the UV cure this material has a secondary moisture cure mechanism to ensure cure in areas shadowed in UV light. Has excellent resistance to moisture and maintains flexibility at low temperatures.

APPLICATIONS

- Electronics
- Encapsulation
- Potting

FEATURES

- Shadow area cure
- UV and visible light cure
- Low temperature flexibility
- Moisture resistance
- RoHS & REACH Compliant

SUBSTRATES

- Plastics
- Nylon
- Delrin
- PET
- Santoprene

PACKAGING

- Syringes
- Cartridges

TYPICAL PROPERTIES OF UNCURED MATERIAL

Property	Value
Chemical Class	Acrylated Urethane
Appearance	Flowable Purple Liquid
Viscosity, 10 RPM @ 25°C, cps	18,000 to 28,000
Viscosity, 100 RPM @ 25°C, cps	17,000 to 27,000
Specific Gravity	1.11

TYPICAL PROPERTIES OF CURED MATERIAL

Property	Value
Hardness, Shore	D50
Elongation, %	70
Operating Temperature Range, °C	-50 to 120

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

CURE OVERVIEW

Cure Options	UV cure @ 200 mW/cm ² minimum. 365, 400, 415 nm recommended
Final Cure (UV & Moisture), hrs	24
Clean-Up Solvent	Isopropyl Alcohol

SHELF LIFE, STORAGE

18 ± 10° 3 Months DOM

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

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