

VIVID CURE™ 71151

UV CURE ENCAPSULANT

TECHNICAL DATA

APRIL 2016

Product Description

Fast curing, water white clear, non-yellowing, flowable, rigid encapsulant for LED and other optical applications.

APPLICATIONS

- LED Encapsulant
- Lighting

FEATURES

- RoHS & REACH Compliant
- Clear
- Non-Yellowing

SUBSTRATES

- Plastics
- Glass
- Metals

PACKAGING

- Syringes
- Bulk

TYPICAL PROPERTIES OF UNCURED MATERIAL

Property	Value
Chemical Class	UV Acrylate
Appearance	Clear
Viscosity, 10 RPM @ 25°C, cps	150,000 to 200,000
Viscosity, 100 RPM @ 25°C, cps	30,000 to 40,000
Specific Gravity	1.14

TYPICAL PROPERTIES OF CURED MATERIAL

Property	Value
Glass Transition Temperature (Tg), °C	60
Hardness, Shore	D80
Ultimate Tensile Strength, PSI	3,400
Elongation at Break, %	45
Operating Temperature Range, °C	-50 to 120
Volume Resistivity, Ω-cm	1×10^{15}

***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 nm recommended.
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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