

VIVID CURE™ 70501

LOW STRESS UV CURE ADHESIVE

TECHNICAL DATA

February 2016

Product Description

Fast curing, water white, urethane acrylate designed for utilization as an LCD interface adhesive. This product is a soft, flexible, low modulus polymer that provides a high amount of bond strength without imparting stress. This product also exhibits excellent resistance to moisture and is non yellowing.

APPLICATIONS

- Touch Screen Display
- LCD

FEATURES

- RoHS & REACH Compliant
- Non Yellowing, Clear
- Low Stress Adhesive
- Moisture Resistant

SUBSTRATES

- Plastics
- Glass
- Metals

PACKAGING

- Syringes
- Liter Bottles
- Bulk

TYPICAL PROPERTIES OF UNCURED MATERIAL

Property	Value
Chemical Class	UV Acrylate
Appearance	Clear
Viscosity, 10 RPM @ 25°C, cps	2,000 to 3,500
Viscosity, 100 RPM @ 25°C, cps	2,000 to 3,500
Specific Gravity	0.90

TYPICAL PROPERTIES OF CURED MATERIAL

Property	Value
Glass Transition Temperature (Tg), °C	-35
Refractive Index	1.44
Hardness, Shore	A25
Moisture Resistance	Excellent
Elongation at Break, %	>200
Tensile Modulus @ 125%, psi	5
Shrinkage	1.30%
Operating Temperature Range, °C	-50 to 125

***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, 405 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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