

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 (T _g), °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

RESIN DESIGNS, LLC MAKES NO EXPRESS OR IMPLIED REPRESENTATIONS OR WARRANTIES, INCLUDING WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE OR OTHERWISE, WITH RESPECT TO THIS PRODUCT AND GUARANTEES NO PARTICULAR OUTCOME OR RESULT FROM ITS USE. RESIN DESIGNS' LIABILITY TO CUSTOMER WITH RESPECT TO THIS PRODUCT SHALL IN NO EVENT EXCEED THE AMOUNT PAID BY CUSTOMER FOR IT.