

NEXUS™ 71151
UV CURE ENCAPSULANT
TECHNICAL DATA
July 2014
Product Description

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

APPLICATIONS	FEATURES	SUBSTRATES	PACKAGING
<ul style="list-style-type: none"> • LED Encapsulant • Lighting 	<ul style="list-style-type: none"> • RoHS Compliant • Clear • Non-Yellowing 	<ul style="list-style-type: none"> • Plastics • Glass • Metals 	<ul style="list-style-type: none"> • Syringes

TYPICAL PROPERTIES OF UNCURED MATERIAL

Property	Value
Chemical Class	UV Acrylate
Appearance	Clear
Viscosity, 10 RPM, cps	2,200
Viscosity, 100 RPM, cps	2,300
Specific Gravity	1.10

TYPICAL PROPERTIES OF CURED MATERIAL

Property	Value
Glass Transition Temperature (T _g), °C	60
Lap Shear Strength, Al/Al, PSI	-
Hardness, Shore	D60
Ultimate Tensile Strength, PSI	3,400
Elongation at Break, %	45
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 @ 200 mW/cm ² minimum. 365 nm recommended.
Clean-Up Solvent	Isopropyl Alcohol

SHELF LIFE, STORAGE
18 ± 10°C 1 Year DOM
THIS MATERIAL IS SOLD FOR INDUSTRIAL USE ONLY

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