

ENTEX™ 53051

NON YELLOWING POLYURETHANE ENCAPSULANT

TECHNICAL DATA February 2016

Product Description

High Performance polycarbonate bonder and encapsulant, clear, rigid.

APPLICATIONS

- LED Encapsulation
- Solar Encapsulation

FEATURES

- RoHS & REACH Compliant
- Water White Clear
- Non-Yellowing
- Hard Surface

SUBSTRATES

- Plastics
- Metals
- Glass

PACKAGING

- Dual Cartridges
- Bulk

TYPICAL PROPERTIES OF UNCURED MATERIAL

Property	Value, Part A	Value, Part B
Chemical Class	Isocyanate	Polyol
Appearance	Clear	Clear
Viscosity, 10 RPM @ 25°C, cps	200 to 400	850 to 1,400
Viscosity, 100 RPM @ 25°C, cps	200 to 400	900 to 1,400
Specific Gravity	1.07	1.05
Mix Ratio by Volume	1	1

TYPICAL PROPERTIES OF CURED MATERIAL

Property	Value
Glass Transition Temperature (Tg), °C	40
Lap Shear Strength, Al/Al, PSI	>1500
Hardness, Shore	D75
Ultimate Tensile Strength, PSI	>1750
Elongation at Break, %	>40
Operating Temperature (°C)	-40 to 120
Volume Resistivity, Ω-cm	1 x 10 ¹¹

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

PROCESSING

Gel Time (15cc mass), Mins	4
Cure Options: Hrs @ 25°C	24
Clean-Up Solvent	Isopropyl Alcohol

SHELF LIFE, STORAGE

18 ± 10°C 1 Year DOM

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

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