

ENTEX™ 53061

SOFT POLYURETHANE ENCAPSULANT

TECHNICAL DATA

MARCH 2016

Product Description

Soft, flexible, water white clear, non-yellowing, LED Encapsulation. Low temperature stable.

APPLICATIONS

- LED Encapsulation
- Lighting Arrays

FEATURES

- RoHS & REACH Compliant
- Clear
- Non-Yellowing
- Soft and Flexible

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	10,500 to 14,500	400 to 550
Viscosity, 100 RPM @ 25°C, cps	11,000 to 14,500	400 to 500
Specific Gravity	1.12	1.11
Mix Ratio by Volume	1	1

TYPICAL PROPERTIES OF CURED MATERIAL

Property	Value
Glass Transition Temperature (T _g), °C	-40
Lap Shear Strength, Al/Al, PSI	-
Hardness, Shore	A77
Ultimate Tensile Strength, PSI	-
Elongation at Break, %	-
Operating Temperature (°C)	-50 to 120
Volume Resistivity, Ω-cm	-

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

PROCESSING

Gel Time (15cc mass), Min	10
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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