

# ENTEX™ 53071

## SOFT POLYURETHANE ENCAPSULANT

**TECHNICAL DATA**
**MARCH 2016**
**Product Description**

Soft, flexible, translucent, non-yellowing, LED Encapsulation. Low temperature stable. Light Diffusing.

**APPLICATIONS**

- LED Encapsulation
- Lighting Arrays

**FEATURES**

- RoHS & REACH Compliant
- Translucent
- 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	Translucent	Clear
Viscosity, 10 RPM @ 25°C, cps	17,000 to 20,000	450 to 550
Viscosity, 100 RPM @ 25°C, cps	17,000 to 20,000	450 to 550
Specific Gravity	1.18	1.11
Mix Ratio by Volume	1	1

**TYPICAL PROPERTIES OF CURED MATERIAL**

Property	Value
Glass Transition Temperature (T <sub>g</sub> ), °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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