

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 _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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