

**ENTEX™ 51021****GENERAL PURPOSE POLYURETHANE ENCAPSULANT****TECHNICAL DATA****APRIL 2016****Product Description**

Designed to be used for high performance potting and encapsulation applications. This fast setting potting material and encapsulant cures to a tough, moisture resistant and flexible polymer.

APPLICATIONS

- Automotive
- Electronic Assembly
- Electrical Assembly

FEATURES

- RoHS & REACH Compliant
- Water Resistant
- Fast Set, RT Cure

SUBSTRATES

- Engineered Plastics
- Metal
- PVC
- Glass

PACKAGING

- Dual Cartridges
- Bulk

TYPICAL PROPERTIES OF UNCURED MATERIAL

Property	Value, Part A	Value, Part B
Chemical Class	Isocyanate	Polyol
Appearance	Cloudy Liquid	Blue
Viscosity, 10 RPM @ 25°C, cps	600 to 3,500	2,000 to 3,500
Viscosity, 100 RPM @ 25°C, cps	700 to 2,000	1,500 to 3,000
Specific Gravity	1.22	0.94
Mix Ratio by Volume	1	2

TYPICAL PROPERTIES OF CURED MATERIAL

Property	Value
Glass Transition Temperature (Tg), °C	-65
Lap Shear Strength, Al/Al, PSI	>1500
Hardness, Shore	A90
Ultimate Tensile Strength, PSI	>1300
Elongation at Break, %	>75
Operating Temperature, °C	-40 to 120
Volume Resistivity, Ω-cm	1x10 ¹¹

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

CURE OVERVIEW

Gel Time (15cc mass), Min	8 to 15
Cure Options: Hr @ 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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