

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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