

ENTEX™ 51011

SOFT POLYURETHANE SEALANT

TECHNICAL DATA

February 2016

Product Description

General purpose sealant for metal and plastic enclosures. Very soft and compliant, suitable for high vibration environments or wide temperature swings. Typical applications are electrical connector encapsulation and form-in-place (FIP) gaskets.

APPLICATIONS

- Electrical Connectors
- FIP Gaskets
- Severe Environments
- Automotive

FEATURES

- RoHS & REACH Compliant
- Soft
- Mechanical Compliance

SUBSTRATES

- Plastics
- Metal
- Ceramics
- Glass

PACKAGING

- Dual Cartridges

TYPICAL PROPERTIES OF UNCURED MATERIAL

Property	Value, Part A	Value, Part B
Chemical Class	Isocyanate	Polyol
Appearance	Cloudy Liquid	Clear
Viscosity, 10 RPM @ 25°C, cps	11,000 to 15,000	2,000 to 3,000
Specific Gravity	1.13	0.92
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
Dielectric Strength, V/Mil	> 400
Hardness, Shore	A53
Ultimate Tensile Strength, PSI	> 1200
Elongation at Break, %	> 75
Volume Resistivity, Ω-cm	1 x 10 ¹⁵

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

CURE OVERVIEW

Gel Time (15cc mass), min	5 to 8
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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