

URETHANE 071607-D2

NON YELLOWING POLYURETHANE ENCAPSULANT

TECHNICAL DATA

APRIL 2016

Product Description

High Performance clear and rigid, polycarbonate bonder and encapsulant.

APPLICATIONS

- LED Encapsulation
- Solar Encapsulation

FEATURES

- RoHS & REACH Compliant
- Water White Clear
- Non-Yellowing
- Hard Surface

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	Clear	Clear
Viscosity, 10 RPM @ 25°C, cps	200 to 400	850 to 1,400
Viscosity, 100 RPM @ 25°C, cps	200 to 400	900 to 1,400
Specific Gravity	1.07	1.05
Mix Ratio by Volume	1	1

TYPICAL PROPERTIES OF CURED MATERIAL

Property	Value
Glass Transition Temperature (Tg), °C	40
Lap Shear Strength, Al/Al, PSI	>1500
Hardness, Shore	D75
Ultimate Tensile Strength, PSI	>1750
Elongation at Break, %	>40
Operating Temperature (°C)	-40 to 120
Volume Resistivity, Ω-cm	1 x 10 ¹¹

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

CURE OVERVIEW

Gel Time (15cc mass), Min	4
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.

THIS MATERIAL IS SOLD FOR INDUSTRIAL USE ONLY

RESIN DESIGNS, LLC MAKES NO EXPRESS OR IMPLIED REPRESENTATIONS OR WARRANTIES, INCLUDING WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE OR OTHERWISE, WITH RESPECT TO THIS PRODUCT AND GUARANTEES NO PARTICULAR OUTCOME OR RESULT FROM ITS USE. RESIN DESIGNS' LIABILITY TO CUSTOMER WITH RESPECT TO THIS PRODUCT SHALL IN NO EVENT EXCEED THE AMOUNT PAID BY CUSTOMER FOR IT.