

URETHANE 132-127

ENCAPSULATION SYSTEM

TECHNICAL DATA

Product Description

Urethane 132-127 is a room temperature curing, two part polyurethane system designed to be used for high performance potting and encapsulation applications. This two to one mix ratio product cures at room temperature to a tough flexible polymer.

APPLICATIONS	FEATURES	RECOMMENDED SUBSTRATES
<ul style="list-style-type: none"> Potting Encapsulation 	<ul style="list-style-type: none"> Two part Flexible Non-Sag UV light stable Room temperature cure 	<ul style="list-style-type: none"> Glass

UNCURED PROPERTIES		
Property	Value	Test Method
Solvent Content	No Nonreactive Solvents	N/A
Chemical Class, PT A:B	Isocyanate : Polyol	N/A
Color, PT A:B	Cloudy Liquid : Clear to Yellow	N/A
Soluble in	Organic Solvents	N/A
Specific Gravity, PT A	1.12	QPTTEST002
Specific Gravity, PT B	0.93	QPTTEST002
Mixed Viscosity, 25C, cps	Non-Sag Paste	N/A
Mix Ratio by Weight, PT A:B	6.4:10	N/A
Mix Ratio by Volume, PT B:A	2:1	N/A

CURED MECHANICAL PROPERTIES		
Property	Value	Test Method
Durometer Hardness, Shore A	53	QPTTEST012
Moisture Resistance	Excellent	N/A
Operating Temperature, C	-50 to 120	N/A
Tensile Strength, psi	>1000	QPTTEST005
Glass Transition, C	-65	N/A
Tensile Lap Shear, Lexan/Lexan, psi	620	N/A
Elongation, %	200	N/A
Water Vapor Transmission Rate, g-mil/100 in	3.6	N/A
Dielectric Strength, Volt/mil	400	N/A

CURE OVERVIEW		
Property	Value	Test Method
Work Life, 20g @ 25C, min	7	N/A
Gel Time, 20g @ 25C, min	7	N/A
Cure Time @ 25C, hr	24 to 48	N/A
Cure Time @ 65C, min	120	N/A

Storage:

Store material in cool, dry location at a temperature between 10°C to 28°C. Keep from freezing. Material is sensitive to moisture. Refer to packaging specific quote for shelf life information. Consult SDS for safe handling recommendations.

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