

Urethane 104-24
ENCAPSULATION SYSTEM
TECHNICAL DATA
Product Description

Urethane 104-24 is a room temperature curing two part polyurethane system designed to be used for high performance potting and encapsulation applications. This product cures at room temperature in less than two hours to a tough and flexible polymer.

APPLICATIONS

- Potting
- Encapsulation

FEATURES

- Two part
- Room temperature cure
- Flexible

RECOMMENDED SUBSTRATES

UNCURED PROPERTIES*		
Property	Value	Test Method
Solvent Content	No Nonreactive Solvents	N/A
Chemical Class, PT A:B	Isocyanate : Polyol	N/A
Mixed Color	Amber	N/A
Specific Gravity, PT A	1.24	TFTEST002
Specific Gravity, PT B	1.00	TFTEST002
Viscosity, 25C, cps, PT A	150-250	TFTEST001
Viscosity, 25C, cps, PT B	1,400-1,500	TFTEST001
Mix Ratio by Weight, PT Iso:Poly	26:100	N/A

CURED MECHANICAL PROPERTIES*		
Property	Value	Test Method
Durometer Hardness, Shore A	45	TFTEST012
Moisture Resistance	Excellent	N/A
Operating Temperature Range, C	-50 to 120	N/A
Tensile Strength, psi	>1,000	TFTEST005
Tensile Lap Shear, Polycarbonate, psi	2,500	N/A
Tensile Lap Shear, Lexan/Lexan, psi	800	N/A
Dielectric Strength, Volt/mil	400	N/A
Elongation, %	220	N/A

CURE OVERVIEW*		
Property	Value	Test Method
Work Life, 20g @ 25C, min	70-80	N/A
Cure Time @ Room Temperature, hr	12	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 MSDS for safe handling recommendations.

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