

CASTOR OIL BASED- POLYURETHANE POTTING SYSTEM

65 SHORE A

DESCRIPTION

URS 2365 is a flexible, castor oil-based urethane system designed for potting stress sensitive electrical/electronic components. **URS 2365** provides excellent hydrolytic stability and maintains outstanding flexibility and electrical properties from. Applications include potting balasts, tripods, transformers, etc.

FEATURES

- Low Embedment Stress
- Low Viscosity
- Excellent Electrical Properties
- Outstanding Hydrolytic Stability
- No MOCA or TDI
- Hand or Machine Process

LIQUID

PROPERTIES

POL 262B

ISO 110A

MIXED

Appearance	Amber Liquid	Amber Liquid	Amber Liquid
Viscosity (cps)	500-1,200 (77 F)	900-1100 (77 F)	800-1000 (77 F)
Density (lbs/gal)	7.90-8.10	10.0-10.20	8.50-8.70

PHYSICAL PROPERTIES

Hardness, Shore A	65
Tensile Strength, Ultimate, psi	1325
Elongation, %	375
Tear Strength "Die C" lbs/in	165

Dielectric constant:

100 Hz	:	5.3
1K Hz	:	4.3
10K Hz	:	3.6
100K Hz	:	3.6

Dissipation Factor:

100 Hz	:	.03
1K Hz	:	.14
10K Hz	:	.10
100K Hz	:	.06

Volume Resistivity ohm-cm	:	9.3 X 10 ¹²
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URS 2365 cont:

PROCESSING PARAMETERS

Process polyol 262B at 65 to 90 degrees F.

Melt Isocyanate 110A if frozen at 100 degrees F., otherwise use at 70 to 85 degrees F.

Mold Temperature: 65 to 125 degrees F.

Mix Ratio: 100 parts Polyol 262B to 54.00 parts Isocyanate 110A by weight.

Degas mixture if possible or Pre-degas in dispensing equipment prior to casting.

Pot Life: (200g mass) (77F) 15 to 30 minutes.

Demold: 1-2 hours or 30-45 minutes with maximum process and mold temperature. Catalyst may also be used to shorten demold time.

Post Cure: 16-24 hours @ 77 degrees F

STORAGE

Systems should be stored unopened in air tight containers at 60-90 degrees F. Partially emptied containers should be swept free of atmospheric moisture with dry nitrogen before sealing.

HANDLING PRECAUTIONS

For complete and updated health and safety information, read the MATERIAL SAFETY DATA SHEETS. Do not handle or use until the MATERIAL SAFETY DATA SHEET has been read and understood.