

3/27/20

URS 2235

LOW VISCOSITY, 2 TO 1 BY VOLUME POLYURETHANE POTTING OR MOLDING SYSTEM
35 SHORE A

DESCRIPTION

URS 2235 is a low viscosity polyether based urethane casting system with excellent room temperature molding properties. **URS 2235** is recommended for molding or potting and encapsulation of electronic devices where low viscosity and lack of heating sources are of consideration. Applications include lighting ballasts, transformers, flexible molds, rollers, etc.

FEATURES

Extremely Low Process Viscosity
Outstanding Low Temperature Qualities
Excellent Resistance to Water and Oils
No MOCA or TDI
Room Temperature Processing

LIQUID

<u>PROPERTIES</u>	<u>POL 10290B</u>	<u>ISO 1140A</u>	<u>MIXED</u>
Appearance	Amber Liquid	Amber Liquid	Amber Liquid
Viscosity (cps)	200-600 (77F)	1100-1300(77F)	500-800 (77F)
Density (lbs/gal)	8.60 - 8.80	10.00-10.20	9.10-9.20

PHYSICAL PROPERTIES

Hardness, Shore A			35A
Tensile Strength, Ultimate, psi			860
Elongation, %			325
Tear Strength PLI			125
Dielectric Constant (ASTM-D-150)			
1 K HZ			4.90
10 K HZ			4.20
Dissipation Factor (ASTM-D-150)			
1 K HZ			.278
10 K HZ			.227

URS 2235 Continued:

PROCESSING PARAMETERS

Process polyol 10290B at 65 to 90 degrees F.

Melt Isocyanate 1140A if frozen at 100 degrees F., otherwise use at 70 to 85 degrees F.

Mold Temperature: 70 to 125 degrees F.

Mix Ratio 2 parts POL10290B to 1 part ISO1140A by volume or 100 parts Polyol 10290B to 56 parts Isocyanate 1140A by weight.

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

Pot Life: (200g mass) (77F) 10 to 20 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: 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 SHEETS have been read and understood.