

URS 2338

LOW VISCOSITY, FLAME RETARDANT ROOM TEMPERATURE POLYURETHANE POTTING SYSTEM 38 SHORE A

DESCRIPTION

URS 2338 is a low viscosity, flame retardant polyether based urethane potting system with excellent room temperature molding properties. **URS 2338** is recommended for potting and encapsulation of electronic devices where low viscosity and lack of heating sources are of consideration. Applications include lighting balasts, transformers, ignitions, capacitors, etc.

FEATURES

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

LIQUID

PROPERTIES

POL 910B

ISO 420A

MIXED

Appearance	White Liquid	Brown Liquid	Off White Liquid
Viscosity (cps)	1,000-1,500 (77F)	500-1,000 (77F)	500-1,000 (77F)
Density (lbs/gal)	8.60 - 8.80	10.9-11.1	9.40-9.60

PHYSICAL PROPERTIES

Hardness, Shore A	40
Tensile Strength, Ultimate, psi	750
Elongation, %	300
Tear Strength PLI	65
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
Flame Retardance	
UL941	should pass

URS 2338 Continued:

PROCESSING PARAMETERS

Process polyol 910BB at 65 to 90 degrees F.

Melt Isocyanate 420A if frozen at 100 degrees F., otherwise use at 70 to 85 degrees F.

Mold Temperature: 70 to 125 degrees F.

Mix Ratio: 100 parts Polyol 910B to 50 parts Isocyanate 420A by weight.

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

Pot Life: (200g mass) (77F) 3 to 6 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.