

## 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

<u>PROPERTIES</u>	<u>POL 910B</u>	<u>ISO 420A</u>	<u>MIXED</u>
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.