

## URS 2295

### LOW VISCOSITY, MEDIUM PERFORMANCE, ROOM TEMPERATURE POLYURETHANE MOLDING SYSTEM

#### 95 SHORE A

#### DESCRIPTION

**URS 2295** is a low viscosity polyether based urethane casting system with excellent room temperature molding properties. **URS 2295** 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 balasts, transformers, flexible molds, rollers, etc.

#### FEATURES

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

#### LIQUID

##### PROPERTIES

##### POL 840B

##### ISO 160A

##### MIXED

Appearance	Amber Liquid	Amber Liquid	Amber Liquid
Viscosity (cps)	400-1,100 (77 F)	100-500 (77 F)	500-1,000 (77 F)
Density (lbs/gal)	8.60-8.80	10.0 -10.2	9.10-9.30

#### PHYSICAL PROPERTIES

Hardness, Shore A	95
Tensile Strength, Ultimate, psi	4050
Elongation, %	360
Tear Strength PLI	465

## **URS 2295 Cont:**

### **PROCESSING PARAMETERS**

Melt and process polyol 840B at 75 to 90 degrees F.

Melt Isocyanate 160A if frozen at 100 degrees F., otherwise use at 70 to 85 degrees F.

Mold Temperature: 75to 125 degrees F.

Mix ratio: 100.00 parts Polyol 840B to 70 parts Isocyanate 160A by weight.

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

Pot life: (200g mass) (77 degrees F) 15 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 SHEET has been read and understood.