

## URS 2060

### **HIGH TEAR & ABRASION RESISTANT POLYURETHANE SYSTEM**

## 60 SHORE A

### DESCRIPTION

**URS 2060** is a medium viscosity polyester based urethane casting system with excellent dynamic and mechanical properties. **URS 2060** is designed for high abrasive applications where sliding and impinging types of abrasives are present as in, slurry pumps, sizing screens, chute liners, flotation components, etc.

### FEATURES

Excellent Abrasion Resistance  
Excellent Oil and Solvent Resistance  
High Tear Strength  
No MOCA or TDI  
Hand or Machine Processing

### LIQUID

#### PROPERTIES

#### POL 170B

#### ISO 160A

#### MIXED

Appearance	Amber Liquid	Dark Brown Liquid	Light Brown Liquid
Viscosity (cps)	3500-4500 (100F)	100-500 (77 F)	3400-4400 (100 F)
Density (lbs/gal)	8.70-8.90	10.0 – 10.2	8.90 – 9.10

### PHYSICAL PROPERTIES

Hardness, Shore A	60
Modulus, psi, 100%	280
200%	400
300%	550
Tensile Strength, Ultimate, psi	2950
Elongation %	600
Split Tear PLI	240
Bayshore Rebound, %	45

URS 2060 Cont:

### **PROCESSING PARAMETERS**

Melt and process polyol 170B at 100 to 150 degrees F.

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

Mold Temperature: 110 to 180 degrees F.

Mix Ratio: 100 parts Polyol 170B to 30.00 parts Isocyanate 160A by weight.

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

Pot Life: (200g mass) (100 F) 12 to 15 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 @ 140 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.