

## URS 2693

### HIGH REBOUND POLYURETHANE CASTING SYSTEM

#### 93 SHORE A

#### DESCRIPTION

**URS 2693** is a polyether based urethane casting system with an extremely high rebound and flex life. **URS 2693** is recommended for high impact abrasive particles or continuous flex applications such as pump impellers, chute liners, discharge elbows, shock pads, etc.

#### FEATURES

Outstanding Continuous Flex Life  
Extremely High Rebound Characteristics  
Excellent Low Temperature Properties -40 Deg F  
No MOCA or TDI  
Hand or Machine Processing

#### LIQUID

<u>PROPERTIES</u>	<u>POL 1060B</u>	<u>ISO 160A</u>	<u>MIXED</u>
Appearance	Amber Liquid	Amber Liquid	Amber Liquid
Viscosity (cps)	1000 – 2000 (100 F)	100 – 500 (77 F)	800 – 1200 (100 F)
Density (lbs/gal)	8.10 – 8.25	10.0 -10.2	8.65 8.85

#### PHYSICAL PROPERTIES

Hardness, Shore A	93
Modulus, psi 100%	1260
200%	1695
300%	2210
Tensile Strength, Ultimate, psi	4730
Elongation, %,	510
Tear Strength "Die C" lbs/in	495
Compression Set, Method B	17
Bayshore Rebound, %	62

## **URS 2693 Cont:**

### **PROCESSING PARAMETERS**

Melt and process polyol 1060B 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: 100 to 180 degrees F.

Mix ratio: 100 parts Polyol 1060B to 55.50 parts Isocyanate 160A by weight.

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

Pot life: (200g mass) (100 degrees F) 8 to 12 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.