

**URS 2492****DYNAMIC PERFORMANCE POLYURETHANE CASTING SYSTEM****92 SHORE A****DESCRIPTION**

**URS 2492** is a polyether based urethane casting system with an extremely high wear and flex life. **URS 2492** is recommended for sliding abrasive particles or continuous flex applications such as pump impellers, chute liners, discharge elbows, shock pads, etc.

**FEATURES**

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

**LIQUID****PROPERTIES****POL 860B****ISO 110A****MIXED**

Appearance	Amber Liquid	Amber Liquid	Amber Liquid
Viscosity (cps)	2,000 – 4,000 (100 F)	500 – 1,000 (77 F)	1000 – 3000 (100 F)
Density (lbs/gal)	8.10 – 8.25	10.0 -10.2	8.80 9.00

**PHYSICAL PROPERTIES**

Hardness, Shore A	92A
Modulus, psi 100%	1890
300%	2850
Tensile Strength, Ultimate, psi	5685
Elongation, %,	540
Tear Strength, "Die C" lbs/in	490
Compression Set, % (ASTM D395-B)	32
Bayshore Rebound, %	60

## **URS 2492 Cont:**

### **PROCESSING PARAMETERS**

Melt and process polyol 860B at 100 to 150 degrees F.

Melt Isocyanate 110A if frozen at 100 degrees F., otherwise use at 70 to 85 degrees F.

Mold Temperature: 100 to 180 degrees F.

Mix ratio: 100.00 parts Polyol 860B to 61.00 parts Isocyanate 110A by weight.

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

Pot life: (200g mass) (110 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.