

## URS 2672

### DYNAMIC PERFORMANCE POLYURETHANE CASTING SYSTEM

#### 72 SHORE A

#### DESCRIPTION

**URS 2672** is a polyether based urethane casting system with excellent dynamic and mechanical properties. **URS 2672** is recommended for highly abrasive or high flex applications such as slurry pumps, sizing screens, rollers, wheels, shock pads, etc.

#### FEATURES

Excellent Flex Life  
Outstanding Abrasion Resistance  
Superior Resistance To Water  
No MOCA or TDI  
Hand or Machine Processing  
Excellent Low Temperature Properties – 40 Deg F

#### LIQUID

<u>PROPERTIES</u>	<u>POL 6070B</u>	<u>ISO 160A</u>	<u>MIXED</u>
Appearance	Amber Liquid	Amber Liquid	Amber Liquid
Viscosity (cps)	2,000 – 3,000 (120 F)	100 - 500 (77 F)	1,200 – 2,400 (120 F)
Density (lbs/gal)	8.10 – 8.25	10.0 -10.2	8.75 – 8.90

#### PHYSICAL PROPERTIES

Hardness, Shore A	72	
Modulus, psi 100%	544	
200%	805	
300%	1269	
Tensile Strength, Ultimate, psi	3658	
Elongation, %, 462		
Tear Strength, "Die C" lbs / in	302	
Compression Set, Method B	19	
Bayshore Rebound, %	66	

## **URS 2672 Cont:**

### **PROCESSING PARAMETERS**

Melt and process polyol 6070B at 100 to 150 degrees F.

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

Mold Temperature: 120 to 160 degrees F.

Mix ratio: 100.00 parts Polyol 6070B to 32.50 parts Isocyanate 160A by weight.

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

Pot life: (200g mass) (120 degrees F) 5 to 10 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.