

## URS 2565

### HIGH MODULUS POLYURETHANE CASTING SYSTEM

#### 65 SHORE D

#### DESCRIPTION

**URS 2565** is a high modulus polyether based urethane casting system with good rigidity and excellent impact resistance. **URS 2565** is recommended for applications where stiffness with remote flexibility and impact resistance are of consideration such as, wheels, impact guards, guide slots, support plates, etc.

#### FEATURES

High Impact Strength  
Excellent Tensile Strength  
No MOCA or TDI  
Hand or Machine Processing  
Outstanding Oil Resistance  
Low Process Viscosity

#### LIQUID

##### PROPERTIES

##### POL 380B

##### ISO 110A

##### MIXED

Appearance	Amber Liquid	Amber Liquid	Amber Liquid
Viscosity (cps)	200 – 500 (100 F)	500 – 1,000 (77 F)	400 – 800 (100 F)
Density (lbs/gal)	8.60 – 8.85	10.0 -10.2	9.20-9.40

#### PHYSICAL PROPERTIES

Hardness, Shore D	65
Modulus, psi 100%	2500
200%	4310
Tensile Strength, Ultimate, psi	7100
Elongation, %	270
Tear Strength lbs/in	130
Compression Set, Method B	36

## **URS 2565Cont:**

### **PROCESSING PARAMETERS**

Melt and process polyol 380B 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: 110 to 180 degrees F.

Mix ratio: 100 parts Polyol 380B to 68 parts Isocyanate 110A by weight.

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

Pot life: (200g mass) (100 degrees F) 5 to 8 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.