

URS 2665**DYNAMIC PERFORMANCE POLYURETHANE CASTING SYSTEM****65 SHORE A****DESCRIPTION**

URS 2665 is a polyether based urethane casting system with excellent dynamic and mechanical properties. **URS 2665** 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 6060B</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	65
Modulus, psi 100%	350
200%	518
300%	816
Tensile Strength, Ultimate, psi	2352
Elongation, %	450
Tear Strength, "Die C" lbs / in	234
Compression Set, Method B	18
Bayshore Rebound, %	63

URS 2665 Cont:

PROCESSING PARAMETERS

Melt and process polyol 6060B 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 6060B to 24.70 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.