

URS 2292

DYNAMIC PERFORMANCE POLYURETHANE CASTING SYSTEM

92 SHORE A

DESCRIPTION

URS 2292 is a polyether based urethane casting system with an extremely high wear and flex life. URS 2292 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 Qualities -40 Deg F
No MOCA or TDI
Hand or Machine Processing
Excellent Abrasion Resistance

LIQUID

<u>PROPERTIES</u>	<u>POL 860B</u>	<u>ISO 110A</u>	<u>MIXED</u>
Appearance	Amber Liquid	Amber Liquid	Amber Liquid
Viscosity (cps)	2000-4000 (100F)	500-1000 (77F)	1000-3000 (100F)
Density (lbs/gal)	8.10-8.25	10.00-10.20	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 2292 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 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 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.