URS 2694(SHR)

SUPER HIGH REBOUND POLYURETHANE CASTING SYSTEM

94 SHORE A

DESCRIPTION

URS 2694(SHR) is a polyether based urethane casting system with an extremely high rebound and flex life. **URS 2694(SHR)** is recommended for high impact abrasive particles or continuous flex applications such as pump impellers, chute liners, discharge elbows, shock pads, etc.

FEATURES

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

LIQUID PROPERTIES

PROPERTIES	POL 10370B	ISO 160A	MIXED
Appearance	Amber Liquid	Amber Liquid	Amber Liquid
Viscosity (cps)	1000 – 2000 (100 F)	100 – 500 (77 F)	800 – 1200 (100 F)
Density (lbs/gal)	8.10 – 8.25	10.0 -10.2	8.65 8.85

PHYSICAL PROPERTIES

Hardness, Shore A	94
Modulus, psi 100%	1280
200%	1710
300%	2230
Tensile Strength, Ultimate, psi	4740
Elongation, %,	510
Tear Strength "Die C" lbs/in	495
Compression Set, Method B	17
Bayshore Rebound, %	49

URS 2694(SHR) Cont:

PROCESSING PARAMETERS

Melt and process Polyol 10370B at 100 to 150 degrees F.

Melt Isocyanate 160A 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 10370B to 59.10 parts Isocyanate 160A by weight.

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

Pot life: (200g mass)   (100 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 SAFETY DATA SHEETS. Do not handle or use until the SAFETY DATA SHEET has been read and understood.