URS 2690

Revised 11/13/23

HIGH REBOUND POLYURETHANE CASTING SYSTEM

90 SHORE A

DESCRIPTION

URS 2690 is a polyether based urethane casting system with an extremely high rebound and flex life. **URS 2690** 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	POL 10310B	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		90
Modulus, psi	100%	1245
	200%	1650
	300%	2185
Tensile Strength, Ultimate, psi		4610
Elongation, %,		540
Tear Strength “Die C” lbs/in		478
Compression Set, Method B		17
Bayshore Rebound, %		43

URS 2690 Cont:

PROCESSING PARAMETERS

Melt and process polyol 1060B 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 10310B to 49.40 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.