

URS 2686(Q)**HIGH REBOUND POLYURETHANE CASTING SYSTEM****86 SHORE A****DESCRIPTION**

URS 2686(Q) is a polyether based urethane casting system with an extremely high rebound and flex life. **URS 2686(Q)** 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 Qualities -40 Deg F
 No MOCA or TDI
 Hand or Machine Processing

LIQUID

<u>PROPERTIES</u>	<u>POL 8030B</u>	<u>ISO 160A</u>	<u>MIXED</u>
Appearance	Amber Liquid	Amber Liquid	Amber Liquid
Viscosity (cps)	1,000 – 2,000 (100 F)	100 – 500 (77 F)	800 – 1,200 (100 F)
Density (lbs/gal)	8.10 – 8.25	10.0 -10.2	8.65 – 8.85

PHYSICAL PROPERTIES

Hardness, Shore A	86
Modulus, psi	1230
100%	1620
200%	2175
300%	
Tensile Strength, Ultimate, psi	4555
Elongation, %	570
Tear Strength, "Die C" lbs/in	470
Compression Set, Method B	17
Bayshore Rebound, %	45

URS 2686(Q) Cont:

PROCESSING PARAMETERS

Melt and process polyol 8030B 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: 100.00 parts Polyol 8030B to 32.80 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.