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 PROPERTIES	POL 8030B	ISO 160A	MIXED
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	100%	1230
	200%	1620
	300%	2175
Tensile Strength, Ultimate, psi		4555
Elongation, %,		570
Tear Strength, “Die C” lbs/in		470
Compression Set, Method B		17
Bayshore Rebound, %		68

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.