

URS 2095

HIGH STRENGTH POLYURETHANE SYSTEM

95 SHORE A

DESCRIPTION

URS 2095 is a medium viscosity polyester based urethane casting system with outstanding tear and tensile strength. **URS 2095** is designed for applications that require a high modulus, abrasion resistance, toughness and resiliency. Applications include impellers, skirt boards, belt scrapers, etc.

FEATURES

Outstanding Abrasion Resistance
High Modulus
Excellent Tear Resistance
No MOCA or TDI
Hand or Machine Processing

LIQUID

<u>PROPERTIES</u>	<u>POL 620B</u>	<u>ISO 160A</u>	<u>MIXED</u>
Appearance	Amber Liquid	Amber Liquid	Amber Liquid
Viscosity (cps)	8,000 -10,000 (90F)	100-500 (77 F)	4,000-6,000 (77 F)
Density (lbs/gal)	8.35-8.60	10.0 – 10.20	9.0-9.2

PHYSICAL PROPERTIES

Hardness, Shore A	95
Modulus, psi, 100%	1560
200%	1790
300%	2150
Tensile Strength, Ultimate, psi	7130
Elongation %	475
Split Tear PLI	340
Bayshore Rebound, %	35

Tabor Abrasion, H-18 Wheel

Mg Loss / 1,000 Cycles	70
Mg Loss / 5,000 Cycles	220

URS 2095 Cont:

PROCESSING PARAMETERS

Melt and process polyol 620B 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: 110 to 180 degrees F.

Mix Ratio: 100 parts Polyol 620B to 60 parts Isocyanate 160A by weight.

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

Pot Life: (200g mass) (100 F) 8 to 10 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.