

URS 2573

HIGH MODULUS POLYURETHANE CASTING SYSTEM

73 SHORE D

DESCRIPTION

URS 2573 is a high modulus polyether based urethane casting system with good rigidity and excellent impact resistance. **URS 2573** is recommended for applications where stiffness with remote flexibility and impact resistance are of consideration such as, wheels, impact guards, guide slots, support plates, etc.

FEATURES

High Impact Strength
Excellent Tensile Strength
No MOCA or TDI
Hand or Machine Processing
Outstanding Oil Resistance
Low Process Viscosity

LIQUID

<u>PROPERTIES</u>	<u>POL 150B</u>	<u>ISO 110A</u>	<u>MIXED</u>
Appearance	Amber Liquid	Amber Liquid	Amber Liquid
Viscosity (cps)	200-500 (100F.)	500-1,000 (77F.)	400 - 800
Density (lbs/gal)	8.60 – 8.85	10.0 – 10.2	9.30- 9.50

PHYSICAL PROPERTIES

Hardness, Shore D	73
Modulus, psi, 100%	4015
Tensile Strength, Ultimate, psi	8110
Elongation, %	240
Tear Strength, lbs/in	120
Compression Set, Method B	36
Impact Resistance ft-lbs/in	15

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PROCESSING PARAMETERS

Melt and process polyol 150B at 100 to 150 degrees F.

Melt Isocyanate 110A 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 150B to 100 parts Isocyanate 110A by weight.

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

Pot Life: (200g mass) (100F) 3 to 5 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 MSDS has been read and understood.