

URS 5260

Revised 10/21/2022

LOW MOISTURE SENSITIVE NON MDA POLYURETHANE CASTING SYSTEM

60 SHORE D

DESCRIPTION

URS 5260 is an amber, two component, NON-MDA polyether based urethane casting system designed for low moisture sensitivity. **URS 5260** unique handling characteristics allow for castings to be made on typically difficult moisture absorbing surfaces, wood-plastics-ceramics, without interacted exchange. **URS 5260** also sets and cures at room temperature, ideal for proto mold making, vibration damping parts, bumper pads, stripers, etc.

FEATURES

No MDA
Low Shrinkage
Low Moisture Sensitivity
Room Temperature Processing
High Impact Strength
No MOCA or TDI
Hand or Machine Processing
Low Viscosity

LIQUID

PROPERTIES

AMN 850B

ISO 380A

MIXED

Appearance	Lt Brown Liquid	Clear Liquid	Lt Brown Liquid
Viscosity (cps)	200 - 700 (77 F)	8,000 – 9,000 (77 F)	6,000 – 7,000 (77 F)
Density (lbs/gal)	8.40-8.60	8.60-8.70	8.55-8.65

PHYSICAL PROPERTIES

Hardness, Shore D	55-60
Tensile Strength, Ultimate, psi	3900
Elongation, %	220
Tear Strength PLI	450

LINEAR SHRINKAGE

D- 2566 1.125" Deep	.001 In / In
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TABOR ABRASION

D-1044 H-18 Wheel 100 Cycles mg / loss	226
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URS 5260 Cont:

PROCESSING PARAMETERS

Process AMN 850B at 65 to 100 degrees F.

Melt Isocyanate 380A if frozen at 100 degrees F., otherwise use at 60-85 degrees F.

Mold Temperature: 60 to 100 degrees F.

Mix ratio: 30 parts AMN 850B to 100 parts Isocyanate 380A by weight.

Degas mixture if possible

Pot life: (200g mass) (77 degrees F) 25 to 35 minutes.

Demold: 1-2 hours or 30-45 minutes with maximum process and mold temperature

Post Cure: 24 hours @ 150 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.