

NON-MDA LOW MOISTURE SENSITIVE POLYURETHANE CASTING SYSTEM

40 SHORE A

DESCRIPTION

URS 5140 is an amber, two component, NON-MDA, polyester based urethane casting system designed for low moisture sensitivity. **URS 5140**'s unique handling characteristics allow for castings to be made on typically difficult moisture absorbing surfaces, wood-plasters-ceramics, without interacted exchange. **URS 5140** also sets and cures at room temperature, ideal for proto mold making, vibration damping parts, bumper pads, stripers, etc.

FEATURES

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

LIQUID

<u>PROPERTIES</u>	<u>AMN 2060B</u>	<u>ISO 610A</u>	<u>MIXED</u>
Appearance	Lt. Brown Liquid	Clear Liquid	Lt. Brown Liquid
Viscosity (cps)	200 - 700 (77F)	2400 - 2600 (77F)	1600 - 2000 (77F)
Density (lbs/gal)	8.40 - 8.60	9.50 - 9.60	9.00 - 9.30

PHYSICAL PROPERTIES

Hardness, Shore A	40
Tensile Strength, Ultimate, psi	950
Elongation, %	390
Tear Strength PLI	120

LINEAR SHRINKAGE

D-2566	.0005 In/In
1.125" Deep	

URS 5140 Continued:

PROCESSING PARAMETERS

Process AMN 2060B at 65 to 100 degrees F.

Melt Isocyanate 610A if frozen at 100 degrees F., otherwise use at 60 - 85 degrees F.

Mold Temperature: 60 to 100 degrees F.

Mix Ratio: 65 parts AMN 2060B to 100 parts Isocyanate 610A by weight.

Pot Life: (200g mass) (77 F) 40 to 60 minutes.

Demold: 4 - 5 hours or 2 - 3 hours with maximum process and moderate temperatures.

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 MATERIAL SAFETY DATA SHEETS. Do not handle or use until the MATERIAL SAFETY DATA SHEETS have been read and understood.