

Revised 10/23/14

URS 5120

NON-MDA LOW MOISTURE SENSITIVE POLYURETHANE CASTING SYSTEM

20 SHORE A

DESCRIPTION

URS 5120 is an amber, two component, NON-MDA, polyether based urethane casting system designed for low moisture sensitivity. **URS 5120's** unique handling characteristics allow for castings to be made on typically difficult moisture absorbing surfaces, wood-plasters-ceramics, without interacted exchange. **URS 5120** 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
Hand or Machine Processing

LIQUID

<u>PROPERTIES</u>	<u>AMN 10200B</u>	<u>ISO 1120A</u>	<u>MIXED</u>
Appearance	Lt. Brown Liquid	Clear Liquid	Lt. Brown Liquid
Viscosity (77°F)	200 - 700 (cps)	7000-7400cps (cps)	3900-4100 (cps)
Density (lbs/gal)	8.40 - 8.60	8.60 – 8.80	8.50 – 8.70

PHYSICAL PROPERTIES

Hardness, Shore A	20
Tensile Strength, Ultimate, psi	480
Elongation, %	500
Tear Strength PLI	85

LINEAR SHRINKAGE

D-2566	.0005 In/In
1.125" Deep	

URS 5120 Continued:

PROCESSING PARAMETERS

Process AMN 10200B at 65 to 160 degrees F.

Melt Isocyanate 1120A if frozen at 100 degrees F., otherwise use at 65 - 160 degrees F.

Mold Temperature: 65 to 160 degrees F.

Mix Ratio: 50.00 parts AMN 10200B to 100.00 parts Isocyanate 1120A by weight.

Pot Life: (200g mass) (77 F) 20 to 25 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.