URS 5265

LOW MOISTURE SENSITIVE NON MDA POLYURETHANE CASTING SYSTEM

65 SHORE D

DESCRIPTION

URS 5265 is an amber, two component, NON-MDA polyether based urethane casting system designed for low moisture sensitivity. **URS 5265** unique handling characteristics allow for castings to be made on typically difficult moisture absorbing surfaces, wood-plastics-ceramics, without interacted exchange. **URS 5265** 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

LIQUID PROPERTIES	AMN 851B	ISO 380A	MIXED
Appearance	Lt Brown Liquid	Clear Liquid	Lt Brown Liquid
Viscosity (cps)	200 - 700 (77 F)	4,000 – 6,000 (77 F)	3,000 – 5,000 (77 F)
Density (lbs/gal)	8.40-8.60	10.0 – 10.2	9.60 – 9.80

PHYSICAL PROPERTIES

Hardness, Shore D	65
Tensile Strength, Ultimate, psi	4100
Elongation, %,	205
Tear Strength PLI	465

LINEAR SHRINKAGE

D- 2566	.001 In / In
1.125" Deep	

TABOR ABRASION

D-1044 H-18 Wheel	
100 Cycles mg / loss	226

URS 5265 Cont:

PROCESSING PARAMETERS

Process AMN 851B 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: 20 parts AMN 851B to 100 parts Isocyanate 380A by weight.

Degas mixture if possible

Pot life: (200g mass)   (77 degrees F)   15 to 20 minutes.

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

Post Cure: 16-24 hours @ 77 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.