LOW DUROMETER POLYURETHANE CASTING SYSTEM

20 SHORE A

DESCRIPTION

URS 2020 is a medium viscosity polyester based urethane casting system with excellent low durometer characteristics. **URS 2020** is designed for applications requiring high flexibility along with excellent high filler loading properties . Applications include rollers, bumpers, pads, protective coverings,etc.

FEATURES

High Flexibility
Excellent Oil And Solvent Resistance
High Filler Loading Capabilities
No MOCA or TDI
Hand or Machine Processing

LIQUID PROPERTIES	POL 700B	ISO 970 A	MIXED
Appearance	Amber Liquid	Amber Liquid	Amber Liquid
Viscosity (cps)	6,000 – 9,000 (77F)	500 – 1,000 (77F)	5,500 - 8,000 (77F)
Density (lbs/gal)	8.60 – 8.70	9.40 - 9.70	8.75 – 8.95

PHYSICAL PROPERTIES

Hardness, Shore A	20
Modulus, psi, 100%	80
200%	115
300%	160
Tensile Strength, Ultimate, psi	500
Elongation, %	550
Tear Strength "Die C" lbs / in	85

PROCESSING PARAMETERS

Melt and process polyol 700B at 120 to 160 degrees F.

If frozen, melt Isocyanate 970A at 100 degrees F., otherwise use at 70 to 85 degrees F.

Mold Temperature: 120 to 160 degrees F.

Mix Ratio: 100.00 parts Polyol 700B to 10.60 parts Isocyanate 970A by weight..

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

Pot Life: (200g mass) (100 F) 12 to 16 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 at 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 MATERIAL SAFETY DATA SHEETS have been read and understood.