

URS 2230

HIGH STRENGTH, LOW DUROMETER POLYURETHANE SYSTEM 30 SHORE A

DESCRIPTION

URS 2230 is a low viscosity polyether based urethane casting system with excellent low durometer characteristics. **URS 2230** is designed for applications requiring high flexibility and good cut tear resistance with excellent machining qualities when filler is added. Applications include rollers, bumpers, strippers, sound damping parts, flexible molds, etc.

FEATURES

Low Process Viscosity
High Flexibility
Excellent Machining Qualities
Excellent Oil and Solvent Resistance
High Tear Strength
No MOCA or TDI

LIQUID

<u>PROPERTIES</u>	<u>POL 2000B</u>	<u>ISO 160A</u>	<u>MIXED</u>
Appearance	Amber Liquid	Amber Liquid	Amber Liquid
Viscosity (cps)	200 - 400 (77F)	100-500 (77F)	240-4000 (77F)
Density (lbs/gal)	8.60 - 8.80	10.0-10.2	8.85-9.05

PHYSICAL PROPERTIES

Hardness, Shore A	30
Modulus, psi, 100%	100
200%	175
300%	250
Tensile Strength, Ultimate, psi	1250
Elongation, %	500
Tear Strength "Die C" lbs/in	100
Bayshore Rebound, %	23

URS 2230 Continued:

PROCESSING PARAMETERS

Process polyol 2000B at 80 to 150 degrees F.

Melt Isocyanate 160A if frozen at 100 degrees F., otherwise use at 70 to 85 degrees F.

Mold Temperature: 80 to 180 degrees F.

Mix Ratio: 100 parts Polyol 2000B to 17.0 parts Isocyanate 160A by weight.

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

Pot Life: (200g mass) (100F_ 10 to 15 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 @ 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.