URS 6260

HIGH MODULUS, FDA APPROVED POLYURETHANE CASTING SYSTEM

60 SHORE D

DESCRIPTION

URS 6260 is a high modulus polyether based urethane system with FDA approval, good rigidity and excellent impact resistance. **URS 6260** .is recommended for applications where stiffness and impact resistance are of consideration such as wheels, impact guards, food guide slots, support plates, feed bins, etc.

FEATURES

High Impact Strength
Excellent Tensile Strength
No MOCA or TDI
Hand or Machine Processing
Outstanding Oil Resistance
Meets FDA 21 CFR Sec. 175.105 & 177.168

LIQUID PROPERTIES	POL 10400B	ISO 110A	MIXED
Appearance	Amber Liquid	Amber Liquid	Amber Liquid
Viscosity (cps)	200 - 500 (100F)	500-1000 (77 F)	400 - 800 (100 F)
Density (lbs/gal)	8.60 – 8.85	10.0 -10.2	9.30 – 9.50

PHYSICAL PROPERTIES

Hardness, Shore D	60
Modulus , psi, 100%	4310
Tensile Strength, Ultimate, psi	7100
Elongation, %,	240
Tear Strength, lbs / in	130
Compression Set , Method A	10
Impact Resistance ft-lbs / in	11
Linear Shrinkage D-2566 (1.125” Deep)	.05 in/in

URS 6260 Cont:

PROCESSING PARAMETERS

Melt and process polyol 10400B at 120 to 160 degrees F.

Melt Isocyanate 110A if frozen at 100 degrees F., otherwise use at 70-85 degrees F.

Mold Temperature: 120 to 160 degrees F.

Mix ratio: 100.00 parts Polyol 10400B to 85.00 parts Isocyanate 110A by weight.

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

Pot life: (200g mass) (100 degrees F) 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.

NOTE: if catalyst is used it must also conform to appropriate FDA sections.

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 SHEET has been read and understood.