

URS 4270

LOW COST, LOW VISCOSITY UNMODIFIED RIGID POLYURETHANE CASTING SYSTEM

70 SHORE D

DESCRIPTION

URS 4270 is a low cost, low viscosity, non oil modified polyether based urethane casting system with good rigidity and excellent impact resistance. **URS 4270** is recommended for applications where stiffness with moderate flexibility and impact resistance and low cost are of consideration such as picture frames, furniture parts, ceiling panels, etc.

FEATURES

- 1 to 1 by weight
- Good Impact Strength
- Room Temperature Processing
- Low Cost
- No MOCA or TDI
- Hand or machine Processing
- Outstanding Oil Resistance
- Extremely Low Process Viscosity

LIQUID

<u>PROPERTIES</u>	<u>POL 3060B</u>	<u>ISO 200A</u>	<u>MIXED</u>
Appearance	Amber Liquid	Dark Brown Liquid	Amber Liquid
Viscosity (cps)	150-700 cps	200 - 300 (77 F)	150-650
Density (lbs/gal)	8.60-8.90	10.0-10.2	9.30-9.60

PHYSICAL PROPERTIES

Hardness, Shore D	70
Tensile Strength, Ultimate, psi	3250
Elongation at Break %, Method A	less than 10
Compression Strength, Method A	4050

URS 4270 Cont:

PROCESSING PARAMETERS

Process Polyol 3060B at 65 to 100 degrees F.

Melt Isocyanate 200A if frozen at 100 degrees F., otherwise use at 65-100 degrees F.

Mold Temperature: 65 to 120 degrees F.

Mix ratio: 100 parts Polyol 3060B to 100 parts Isocyanate 200A by weight.

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

Pot life: (200g mass) (77 degrees F) 8-15 minutes.

Demold: 45-60 minutes with maximum process and mold temperature. Catalyst may also be used to shorten demold time.

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.