

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

PROPERTIES

POL 3060B

ISO 200A

MIXED

Appearance	Amber Liquid	Dark Brown Liquid	Light Brown Liquid
Viscosity (77°)	150-700 cps	200 - 300 cps	150-650 cps
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 %,	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.