

URS 2295

LOW VISCOSITY, MEDIUM PERFORMANCE, ROOM TEMPERATURE POLYURETHANE MOLDING SYSTEM

95 SHORE A

DESCRIPTION

URS 2295 is a low viscosity polyether based urethane casting system with excellent room temperature molding properties. **URS 2295** is recommended for molding or potting and encapsulation of electronic devices where low viscosity and lack of heating sources are of consideration. Applications include lighting balasts, transformers, flexible molds, rollers, etc.

FEATURES

Low Process Viscosity
Outstanding Low Temperature Qualities
Excellent Resistance to Water and Oils
No MOCA or TDI
Room Temperature Processing

LIQUID

PROPERTIES

POL 840B

ISO 110A

MIXED

Appearance	Amber Liquid	Amber Liquid	Amber Liquid
Viscosity (cps)	400-1,100 (77 F)	100-500 (77 F)	500-1,000 (77 F)
Density (lbs/gal)	8.60-8.80	10.0 -10.2	9.10-9.30

PHYSICAL PROPERTIES

Hardness, Shore A	95
Tensile Strength, Ultimate, psi	4050
Elongation, %,	360
Tear Strength PLI	465

URS 2295 Cont:

PROCESSING PARAMETERS

Melt and process polyol 840B at 75 to 90 degrees F.

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

Mold Temperature: 75to 125 degrees F.

Mix ratio: 100.00 parts Polyol 840B to 70 parts Isocyanate 160A by weight.

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

Pot life: (200g mass) (77 degrees F) 15 to 20 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: 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.