URS 2260

LOW VISCOSITY, ROOM TEMPERATURE POLYURETHANE POTTING OR MOLDING SYSTEM 60 SHORE A

DESCRIPTION

URS 2260 is a low viscosity polyether based urethane casting system with excellent room temperature molding properties. **URS 2260** 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

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

LIQUID PROPERTIES	POL 120B	ISO 110A	MIXED
Appearance	Amber Liquid	Amber Liquid	Amber Liquid
Viscosity (cps)	300-350 (77F)	500-1,000 (77F)	500-1,000 (77F)
Density (lbs/gal)	8.75-8.85	10.0-10.2	9.10-9.30

PHYSICAL PROPERTIES

Hardness, Shore A	60
Tensile Strength, Ultimate, psi	1400
Elongation, %	500
Tear Strength PLI	175
Dielectric Constant (ASTM-D-150)	
1 K HZ	4.85
10 K HZ	4.20
Dissipation Factor (ASTM-D-150)	
1 K HZ	..269
10 K HZ	.230

URS 2260 Continued:

PROCESSING PARAMETERS

Process polyol 120B at 65 to 90 degrees F.

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

Mold Temperature: 70 to 125 degrees F.

Mix Ratio: 100 parts Polyol 120B to 50 parts Isocyanate 110A by weight.

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

Pot Life: (200g mass) (77F) 12 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: 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 SHEETS have been read and understood.