# ISO 860A

## LOW VISCOSITY
## HIGH PERFORMANCE
## POLYURETHANE PREPOLYMER

### DESCRIPTION

ISO 860A is a polyether based urethane prepolymer exhibiting extremely high wear and flex life when cured with standard amine type curatives.

ISO 860A systems are recommended for abrasive particles or continuous flex applications such as pump impellers, chute liners, discharge elbows, shock pads, etc.

### FEATURES

Excellent Oil Resistance
Excellent Low Temperatures Qualities –40Deg F
Hand or Machine Processing
Excellent Abrasion Resistance
Outstanding Tensile Strength

### LIQUID PROPERTIES

| | | |
|---|---|---|
| Appearance | Viscous Liquid (77 Deg F) | Amber Liquid (200 Deg F) |
| Viscosity (cps) | 3500 – 4000 | 400 - 600 (200 Deg F) |
| Density (lbs/gal) | 8.50 – 8.70 | |
| NCO% | 2.80 – 3.00 | |

### PHYSICAL PROPERTIES WHEN CURED WITH AMN 6010B

| | |
|---|---|
| Hardness, Shore A | 82 |
| Modulus, psi, 100% | 1150 |
| 300% | 1180 |
| Tensile Strength, Ultimate, psi | 4200 |
| Elongation, % | 680 |
| Tear Strength "Die C" lbs/in | 420 |
| Compression Set. % (ASTM D395-B) | 37 |

**ISO 860A Continued:**

## PROCESSING PARAMETERS

Melt and process ISO 860A at 175 to 225 degrees F.

Mold Temperature: 150 to 250 degrees F.

Mix Ratio: 100 parts ISO 860A to 7.00 parts AMN 6010B by weight.

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

Pot Life: (200g mass) (200 F) 10 to 14 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: 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.