

ISO 920A

HIGH REBOUND **ABRASION RESISTANT** **POLYURETHANE PREPOLYMER**

DESCRIPTION

ISO 920A is a polyether based urethane prepolymer exhibiting extremely high wear and flex life when cured with standard amine type curatives.

ISO 920A systems are recommended for high impact abrasive particles or continuous flex applications such as pump impellers, chute liners, discharge elbows, shock pads, etc.

FEATURES

Outstanding Continuous Flex Life
High Rebound Characteristics
Excellent Low Temperatures Qualities –40Deg F
Hand or Machine Processing
Excellent Abrasion Resistance
Superior Water Resistance

LIQUID PROPERTIES

Appearance	Semi-Solid (77 Deg F)	Amber Liquid (200 Deg F)
Viscosity (cps)	Semi-Solid (77 Deg F)	600 - 900 (200 Deg F)
Density (lbs/gal)	8.50 – 8.70	
NCO%	3.20 – 3.60	

PHYSICAL PROPERTIES WHEN CURED WITH AMN 6010B

Hardness, Shore A	82
Modulus, psi, 100%	820
300%	1900
Tensile Strength, Ultimate, psi	5400
Elongation, %	460
Tear Strength “Die C” lbs/in	520
Compression Set. % (ASTM D395-B)	20
Bayshore Rebound, %	69

ISO 920A Continued:

PROCESSING PARAMETERS

Melt and process ISO 920A at 175 to 225 degrees F.

Mold Temperature: 150 to 250 degrees F.

Mix Ratio: 100 parts ISO 920A to 7.60 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 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: 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.