

Por-A-ThaneTM

A94MX

Por-A-Thane A94MX is a MDI/polyester prepolymer used in the manufacture of high-property solidcast polyurethane elastomers, such as forklift tires, sheet goods, wheels, rollers and seals.

PREPOLYMER CHARACTERISTICS

Appearance	Light yellow solid/Hazy viscous liquid
NCO Content	8.5-8.8%
Viscosity, cps (mPa·s) @ 70°C	1600 CPS
Shelf life, months	6
Storage Conditions	<35°C (95°F)

PROPERTIES OF CURED ELASTOMER

Curative	1,4-Butanediol (95%)
Durometer Hardness, Shore A	93
Ultimate Tensile, PSI	6752
Elongation, %	500
Tear Die C, PLI	699
Split Tear (pli)	157
Resilience, Bashore, %	46

PROCESSING

Prepolymer Temperature	70-80°C
Curing Agent (95% Theory)	1,4-Butanediol (95%)
Mold Temperature	90-110°C (194-230°F)
Gel, Min	12-13
Demold time @ 110°C (230°F), hrs	3
Curing time @ 110°C (230°F), hrs	16

Please note the information contained in this bulletin is a reference only and not meant as a specification. Please contact the technical service department at PUMA Polymers to obtain material specifications.

SAFETY

Use only in WELL VENTILATED areas. Avoid contact with skin. Wear CHEMICALLY RESISTANT RUBBER GLOVES, RUBBER APRON AND SAFETY GLASSES. If swallowed or in the event of contact with eyes, IMMEDIATE MEDICAL ATTENTION is advised. Read MATERIAL SAFETY DATA SHEET.

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