



# Chemline PM950

## MDI-PPG Hot Cast Prepolymer

### Description

**Chemline PM950** is an MDI/PPG-based prepolymer. Curing with 1,4 butanediol yields 95 Shore A high-performance elastomers highlighted by:

- √ High resilience
- √ Low viscosity
- √ Liquid at room temperature
- √ Good hydrolytic stability

### Safety

This product is for industrial use only. Avoid contact with eyes and skin. Do not inhale or ingest. Be sure to read SDS in its entirety prior to using **Chemline PM950**.

### Packaging, Storage, & Shelf Life

**Chemline PM950** is available in 55-gallon drums and 5-gallon pails. Store in sealed containers between 60°F and 90°F. Shelf life is 12 months under normal conditions.

### Liquid Prepolymer Properties

Property	Value
Physical State at 25°C	Viscous liquid
%NCO	8.80-9.20%
Viscosity	
70°C (158°F)	560 cps
82°C (180°F)	360 cps
100°C (212°F)	200 cps

### Typical Processing Conditions

Property	Value
Prepolymer Temperature	60°C (140°F)
1,4 Butanediol Temperature	Room temperature
1,4 Butanediol Level (95% stoichiometry, 9.1% NCO)	9.26 pph
Mold Temperature	93°C (200°F)
Pot Life	4-5 minutes
Demold Time	1 hour
Post Cure Time	16 hours at 240°F

### Cured Elastomer Properties

Property	Value
Hardness, Shore A	94-96 A
100% Modulus	1580 psi (10.9 MPa)
200% Modulus	1890 psi (13.0 MPa)
300% Modulus	2250 psi (15.5 MPa)
Tensile Strength	2900 psi (20.0 MPa)
Elongation	420%
Die C Tear Strength	415 pli (72.7 kN/m)
Trouser Tear	95 pli (16.6 kN/m)
Bashore Rebound	55%
Compression Set, Method B 22 hours at 70°C	42%

\*Values obtained in laboratory setting for comparison purposes only and should not be considered specifications.

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