



Chemline PT950

TDI-Polyether Hot Cast Prepolymer

Description

Chemline PT950 is a TDI/PPG-based prepolymer. Curing with MBCA yields a 95 Shore A elastomer highlighted by:

- √ Liquid at room temperature
- √ Low viscosity
- √ High impact absorption

Packaging, Storage, & Shelf Life

Chemline PT950 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.

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 PT950**.

Liquid Prepolymer Properties

Property	Value
Physical State at 25°C	Clear, amber liquid
%NCO	5.85-6.15%
Viscosity	
70°C (158°F)	730 cps
82°C (180°F)	380 cps
100°C (212°F)	170 cps

Typical Processing Conditions

Property	Value
Prepolymer Temperature	70°C (158°F)
MBCA Temperature	115°C (240°F)
MBCA Level (95% stoichiometry, 5.91% NCO)	17.8 pph
Mold Temperature	100°C (212°F)
Pot Life	4-5 minutes
Demold Time	30 minutes
Post Cure Time	16 hours at 100°C (212°F)

Cured Elastomer Properties

Property	Value
Hardness, Shore A	95 A
100% Modulus	1590 psi (11.0 MPa)
200% Modulus	2120 psi (14.6 MPa)
300% Modulus	2860 psi (19.7 MPa)
Tensile Strength	4000 psi (27.6 MPa)
Elongation	420%
Die C Tear Strength	370 pli (64.8 kN/m)
Bashore Rebound	40%

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

Revised 01/2018

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