



Chemline ET950

TDI-Polyether Hot Cast Prepolymer

Description

Chemline ET950 is a TDI/polyether-based prepolymer. Curing with MBCA yields a 95 Shore A elastomer highlighted by:

- √ Easy processing
- √ Good toughness & abrasion resistance
- √ Very good load-bearing capability
- √ Good hydrolytic stability

Packaging, Storage, & Shelf Life

Chemline ET950 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 ET950**.

Liquid Prepolymer Properties

Property	Value
Physical State at 25°C	Viscous liquid
%NCO	6.10-6.55%
Viscosity	
70°C (158°F)	620 cps
82°C (180°F)	370 cps
100°C (212°F)	190 cps

Typical Processing Conditions

Property	Value
Prepolymer Temperature	75°C (165°F)
MBCA Temperature	115°C (240°F)
MBCA Level (95% stoichiometry, 6.41% NCO)	19.35 pph
Mold Temperature	100°C (212°F)
Pot Life	4-5 Minutes
Post Cure Time	16 hours at 100°C (212°F)

Cured Elastomer Properties

Property	Value
Hardness, Shore A	95 A
100% Modulus	2090 psi (14.4 MPa)
200% Modulus	2860 psi (19.7 MPa)
300% Modulus	4880 psi (33.6 MPa)
Tensile Strength	5495 psi (37.9 MPa)
Elongation	330%
Die C Tear Strength	460 pli (80.6 kN/m)
Bashore Rebound	47%

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

Revised 01/2018

Chemline, Inc. • 5151 Natural Bridge Ave. • St. Louis, MO 63115 • Phone: (314) 664 - 2230
• 19500 S. Alameda St. • Los Angeles, CA 90221 • Phone: (310) 764 - 0820

While the descriptions, designs, data and information contained herein are presented in good faith and believed to be accurate, it is provided for your guidance only. Because many factors may affect processing or application/use, we recommend that you make tests to determine the suitability of a product for your particular purpose prior to use. NO WARRANTIES OF ANY KIND, EITHER EXPRESS OR IMPLIED, INCLUDING WARRANTIES OF MERCHANTABILITY OF FITNESS FOR A PARTICULAR PURPOSE, ARE MADE REGARDING PRODUCTS DESCRIBED OR DESIGNS, DATA OR INFORMATION SET FORTH, OR THAT THE PRODUCTS, DESIGNS, DATA, OR INFORMATION MAY BE USED WITHOUT INFRINGING THE INTELLECTUAL PROPERTY RIGHTS OF OTHERS. IN NO CASE SHALL THE DESCRIPTIONS, INFORMATION, DATA OR DESIGNS PROVIDED BE CONSIDERED A PART OF OUR TERMS AND CONDITIONS OF SALE. Further, you expressly understand and agree that the descriptions, designs, data, and information furnished by Chemline, Inc. hereunder are provided gratis and Chemline assumes no obligation or liability for the descriptions, designs, data and information given or results obtained, all such being given and accepted at your risk.