



Chemline ET930

TDI-Polyether Hot Cast Prepolymer

Description

Chemline ET930 is a TDI/polyether-based prepolymer. Curing with MBCA yields a 93 Shore A elastomer highlighted by:

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

Packaging, Storage, & Shelf Life

Chemline ET930 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 ET930**.

Liquid Prepolymer Properties

Property	Value
Physical State at 25°C	Viscous liquid
%NCO	4.80-5.20
Viscosity	
70°C (158°F)	910 cps
82°C (180°F)	550 cps
100°C (212°F)	290 cps

Typical Processing Conditions

Property	Value
Prepolymer Temperature	75°C (165°F)
MBCA Temperature	115°C (240°F)
MBCA Level (95% stoichiometry, 5.09% NCO)	15.4 pph
Mold Temperature	100°C (212°F)
Pot Life	6-7 Minutes
Post Cure Time	16 hours at 100°C (212°F)

Cured Elastomer Properties

Property	Value
Hardness, Shore A	93 A
100% Modulus	1500 psi (10.3 MPa)
200% Modulus	2030 psi (14.0 MPa)
300% Modulus	2850 psi (19.7 MPa)
Tensile Strength	5880 psi (40.5 MPa)
Elongation	410%
Die C Tear Strength	460 pli (80.6 kN/m)
Bashore Rebound	49%

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

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