



# Chemline ET900

## TDI-Polyether Hot Cast Prepolymer

### Description

**Chemline ET900** is a TDI/polyether-based prepolymer. Curing with MBCA yields a 90 Shore A elastomer highlighted by:

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

### Packaging, Storage & Shelf Life

**Chemline ET900** 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 ET900**.

### Liquid Prepolymer Properties

Property	Value
Physical State at 25°C	Viscous liquid
%NCO	3.95-4.35
Viscosity	
70°C (158°F)	1300 cps
82°C (180°F)	775 cps
100°C (212°F)	400 cps

### Typical Processing Conditions

Property	Value
Prepolymer Temperature	88°C (190°F)
MBCA Temperature	115°C (240°F)
MBCA Level (90% stoichiometry, 4.21% NCO)	11.9 pph
Mold Temperature	100°C (212°F)
Pot Life	9-10 Minutes
Post Cure Time	16 hours at 100°C (212°F)

### Cured Elastomer Properties

Property	Value
Hardness, Shore A	90 A
100% Modulus	1280 psi (8.8 MPa)
200% Modulus	1780 psi (12.3 MPa)
300% Modulus	2630 psi (18.1 MPa)
Tensile Strength	6140 psi (41.1 MPa)
Elongation	420%
Die C Tear Strength	500 pli (87.5 kN/m)
Bashore Rebound	45%

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

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