



Product Description

POLYCOAT PC 90-14T1 is a high molecular weight polyether diol that can be used either alone or in conjunction with other curatives to produce quality elastomers from a variety of polyether prepolymers. Used alone, most prepolymers yield durometers in the 50 to 90 Shore A range. Higher performance elastomers in a variety of durometers can be achieved from polyether MDI prepolymers by blending in various proportions with 1, 4 Butanediol. Blends of PC 90-14T1 with MOCA can produce similar results with TDI polyether prepolymers. The vulcanizates exhibit the following characteristics:

- Good abrasion resistance
- Good tear
- Suitable for FDA wet or dry applications
- Variable Resilience

Mixing

At room temperature, this curative is a water clear, slightly viscous liquid. To prepare for use, keep the container above 70°F (21°C).

Curative Specifications

Equivalent weight 44-46

Appearance @ 77°F (25°F) Water Clear

Moisture content, % <0.09

Processing

Prepolymer Temperature 130 - 200°F
54.4 - 93.3°C

Curative Temperature 70 - 90°F
21 -32.2 °C

**Curative Mole Ratio
(in blends)** 0.1 - 1.0

Cure 1 hr @ 240°F (115.6°C)

Post Cure 16 hrs@240°F (115.6°C)



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