



Product Description

POLYCOAT PC 90-25 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 polyester prepolymers. Used alone, most prepolymers yield durometers in the 50 to 60 Shore A range. Higher performance elastomers in a variety of durometers can be achieved from polyester MDI prepolymers by blending in various proportions with 1, 4 Butanediol. Blends of PC 90-25 with MOCA can produce similar results with TDI polyester 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 white, waxy solid that must be melted for appropriate processing. To prepare for use, place the containers in a 158 °F (70 °C) oven until the contents are melted.

CURATIVE SPECIFICATIONS

Equivalent weight 495 – 510

Appearance @ 77°F Waxy solid

Viscosity, cps @ 158°F 180 - 250

Specific Gravity @ 77°F 0.94

Moisture content, % <0.09

PROCESSING

Prepolymer Temperature 180 - 200°F
82.2 - 93.3°C

Curative Temperature 130 - 240°F
54.4 - 115.6 °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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