



Product Description

PRE-POL® PC 60-60 is a TDI terminated polyether prepolymer for use in medium performance elastomers, elastomeric coatings and adhesives. As with all polyurethane products, application and field testing are necessary to determine suitability of the product combination for specific application

PREPOLYMER SPECIFICATIONS

NCO% 2.10 – 2.50%

Viscosity, poise @ 212°F (100°C) 15 - 25

Specific Gravity @ 212°F (100°C)

Appearance @ 77°F (25°C) Viscous liquid

Color, Gardner

Flash Point, Cleveland Open Cup >380°F (193°C)

Solubility Soluble in aromatic or chlorinated hydrocarbons, ketones and esters

Storage Stability Excellent in the absence of moisture and heat

Amine Equivalent

PROCESSING CONDITIONS

Pre-Pol® PC 60-60 100 pts

MOCA (95% theory). pts

MIXING AND CURING

Prepolymer temperature 212°F (100°C)

Curative temperature 240°F (116°C)

Mold temperature 212°F (100°C)

Cure, hours 1 at 212°F (100°C)

Postcure, hours 16

Working Life, minutes 15-20

VULCANIZATE PROPERTIES

Test specimens conditioned one week at 75°F (24°C) and 50% RH before testing.

Hardness, durometer A 63

100% Modulus, psi 625 ± 50 (4.30 ± 0.35 mPa)

300% Modulus, psi ± 200 (± 1.37 mPa)

Tensile Strength, psi 750 ± 300 (5.18 ± 2.1 mPa)

Elongation at Break, % 175 ± 50

Tear Strength (ASTM D-470) psi 30 ± 5 (0.2 ± 0.03 mPa)

Tear Strength (Die C) psi 100 ± 5 (0.69 ± 0.03 mPa)

Compression Set (Method B), % After 22 h at 158°F (70°C)

Resilience (Rebound), % 25



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