



THANECAST™ PS-T 84 A

Thanecast™ PS-T 84 A is a polyester-based, TDI terminated, castable prepolymer. This high performance prepolymer yields a 56 Shore A elastomer when cured with a 3/1 (by weight) TMP/TIPA blend.

Prepolymer specifications:

Available Isocyanate content, %NCO-----3.15 to 3.45
Brookfield Viscosity, cPs @ 160°F -----4,750
Specific gravity @ 77°F-----1.20

Processing Conditions:

Curative: TMP/TIPA blend (3/1 (by weight)
Stoichiometry (Theory): 95 %
Cure cycle: 16 hours at 212°F

Thanecast™ PS-T 90 A Physical Properties:

Property	Method	Result	Unit
Hardness	ASTM D2240	55	Shore A
Tensile Stress,100 % Elongation	ASTM D412	235 (1.6)	psi (MPa)
Tensile Stress,300 % Elongation	ASTM D412	470 (3.3)	psi (MPa)
Tensile Stress	ASTM D412	4530 (31.3)	psi (MPa)
Elongation	ASTM D412	540	%
Tear Die C	ASTM D412	176 (30.8)	lb/in (kN/m)