



# THANECAST™ PS-T 90 A

Thanecast™ PS-T 90 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-----4.1 to 4.5

Brookfield Viscosity, typical, cPs @ 160°F -----2,800

Specific gravity @ 77°F-----1.17

### 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	56	Shore A
Tensile Stress,100 % Elongation	ASTM D412	310 (2.2)	psi (MPa)
Tensile Stress,300 % Elongation	ASTM D412	805 (5.5)	psi (MPa)
Tensile Stress	ASTM D412	5230 (36.1)	psi (MPa)
Elongation	ASTM D412	410	%
Tear Die C	ASTM D412	178 (31.2)	lb/ in (kN/m)



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