



THANECAST™ PS-T 91 A

Thanecast™ PS-T 91 A is a polyester-based, TDI terminated, castable prepolymer. This high performance prepolymer yields a 58 Shore A elastomer when cured with a 3/1 (by weight) TMP/TIPA blend.

Prepolymer specifications:

Available Isocyanate content, %NCO-----4.0 to 4.4
Brookfield Viscosity, typical, cPs @ 160°F -----5,800
Specific gravity @ 77°F-----1.21

Processing Conditions:

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

Thanecast™ PS-T 91 A Physical Properties:

Property	Method	Result	Unit
Hardness	ASTM D2240	58	Shore A
Tensile Stress, 100 % Elongation	ASTM D412	300 (2.1)	psi (MPa)
Tensile Stress, 300 % Elongation	ASTM D412	745 (5.1)	psi (MPa)
Tensile Stress	ASTM D412	3860 (26.6)	psi (MPa)
Elongation	ASTM D412	415	%
Tear Die C	ASTM D412	149 (26.1)	lb/ in (kN/m)