



THANECAST™ PM-T 95 A

Thanecast™ PM-T 95 A is a polyether-based, TDI terminated, castable prepolymer. This high performance prepolymer yields a 95 Shore A elastomer when cured with MBCA or E300.

Prepolymer specifications:

Available Isocyanate content, %NCO-----6.15 to 6.55
Brookfield Viscosity, typical, cPs @ 160°F -----640
Specific gravity @ 77°F-----1.07

Processing Conditions:

Curative: MBCA or E300
Stoichiometry (Theory): 95 %
Cure cycle: 1 hour at 212°F
Post cure: 16 hours at 212°F

Thanecast™ PM-T 95 A Physical Properties when cured with MBCA:

Property	Method	Result	Unit
Hardness	ASTM D2240	95	Shore A
Tensile Stress,100 % Elongation	ASTM D412	1670 (11.5)	psi (MPa)
Tensile Stress,300 % Elongation	ASTM D412	2975 (20.5)	psi (MPa)
Tensile Stress	ASTM D412	4850 (33.4)	psi (MPa)
Elongation	ASTM D412	400	%
Tear Die C	ASTM D412	510 (89.2)	lb/in (kN/m)

Thanecast™ PM-T 95 A Physical Properties when cured with E300:

Property	Method	Result	Unit
Hardness	ASTM D2240	95	Shore A
Tensile Stress,100 % Elongation	ASTM D412	1300 (9.0)	psi (MPa)
Tensile Stress,300 % Elongation	ASTM D412	3370 (23.2)	psi (MPa)
Tensile Stress	ASTM D412	5800 (40.0)	psi (MPa)
Elongation	ASTM D412	400	%
Tear Die C	ASTM D412	525 (91.8)	lb/in (kN/m)