



THANECASTM PM-T 90 A

ThanecastTM PM-T 90 A is a polyether-based, TDI terminated, castable prepolymer. This high performance TDI/PTMEG prepolymer yields a 90 Shore A elastomer when cured with MBCA.

Prepolymer specifications:

Available Isocyanate content, %NCO-----3.95 to 4.30
Brookfield Viscosity, typical cPs @ 160°F -----2,000
Specific gravity @ 77°F-----1.04

Processing Conditions:

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

ThanecastTM PM-T 90 A Physical Properties:

Property	Method	Result	Unit
Hardness	ASTM D2240	90	Shore A
Tensile Stress,100 % Elongation	ASTM D412	1038 (7.2)	psi (MPa)
Tensile Stress,300 % Elongation	ASTM D412	2180 (15.0)	psi (MPa)
Tensile Stress	ASTM D412	4300 (29.6)	psi (MPa)
Elongation	ASTM D412	400	%
Tear Die C	ASTM D412	407 (71.2)	lb/in (kN/m)