



Marco Compound # T1000
Virgin PTFE
Technical Datasheet

Common Name:
 Teflon

PHYSICAL PROPERTY STANDARDS

Physical Properties	Units	ASTM Method	Virgin PTFE
Hardness	Shore D		51-55
Specific Gravity		D-792-66	2.18
Tensile Strength	psi	D-1708-79	5200
Elongation	%	D-1708-79	360
Deformation (a) 78°, 2000 psi, 24 hrs Total Deformation			16.7
Permanent Deformation	%	D-621-64	8.5
(b) 500°, 600 psi, 24 hrs Total Deformation			31.6
Permanent Deformation	%	D-621-64	19.0
Flexural Strength (a) 1% Strain (b) 3% Strain	psi	D-790-80	
Flexural Modulus	psi x 10 ⁵	D-790-80	.97
Compressive Strength (a) 0.2% Offset (b) 5% Strain	psi	D-695-80	700
Compressive Modulus	psi x 10 ⁴	D-695-80	6.0
Coefficient of Linear Expansion (a) 78°F to 200°F (b) 78°F to 300°F (c) 78°F to 400°F (d) 78°F to 500°F	in/in °F x 10 ⁻⁵	D-696-79	6.8 7.0 7.6 9.1
Thermal Conductivity	(BTU-in)/ (hr-ft ² -°F)	Cenco Fitch	1.7
Thermal Properties: Melting Point Upper Service Temp. Low Temp Brittle Point			327°C / 621°F 260°C / 500°F -268°C / -450°F
Wear Factor	K x 10 ⁻¹⁰		2500
Coefficient of Friction (a) Static @ 33.33 psi (b) Dynamic @ 33.33 psi, 150 fpm			.08 .16
Color			White

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