

FLAMETEC™ THERMAX™ XL PVC (FM 4910 LISTED PVC MATERIAL)

TYPICAL PHYSICAL PROPERTIES	UNITS OF MEASURE	VALUE	ASTM METHOD
Physical			
Density	g/cm ³	1.53	D 792
Water Absorption	%	0.10	D 570
Hardness	Shore D	85	D 2240
Cell Class	-	12354	D 1784
Mechanical			
Tensile Strength @ Yield	psi	6,600	D 638
Tensile Modulus	psi	436,800	D 638
Notched Izod Impact	ft-lb/in	1.2	D 256
Flexural Strength @ Yield	psi	12,000	D 790
Flexural Modulus	psi	445,000	D 790
Thermal			
Heat Deflection Temperature @ 66 psi	°F	166	D 648
Heat Deflection Temperature @ 264 psi	°F	159	D 648
Vicat Softening Point	°F	171	D 1525
Coefficient of Linear Expansion	in/in/°F	3.4 x 10 ⁻⁵	D 696
Flammability			
FM Global (Factory Mutual)	FM-4910 ^{D+}	Listed	-
Vertical Burn Test	UL-94*	V-0; 5-VA	-
Flame Spread Index	-	10	E-84

^D Meets FM-4910 testing Criteria

* FM Listed

*Meets UL 94 testing Criteria

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