

Typical Physical Properties: Vintec II ® PVC

Property	Units of Measure	Value	ASTM Method
Physical			
Density	g/cm ³	1.35	D 792
Water Absorption	%	0.16	D 570
Rockwell Hardness	R Scale	106	D 785
Shore Durometer	D	85	D 224
Cell Class	-	16444-D	1748
Mechanical			
Tensile Modulus	psi	396,000	D 638
Yield Strength	psi	7,400	D 638
Flexural Modulus	psi	400,000	D 790
Yield Strength	psi	10,000	D 790
Izod Impact Strength	ft-lb/in	18	D 256
Thermal			
Vicat Softening Point	°C/°F	83/181	D1525
Heat Deflection Temp (66 psi)	°C/°F	82/179	D 648
Heat Deflection Temp (264 psi)	°C/°F	80/176	D 648
Coefficient of Linear Expansion	in/in/°C	6.3 x 10 ⁻⁵	D 696
Coefficient of Linear Expansion	in/in/°F	3.5 x 10 ⁻⁵	D 696
Flammability Ratings			
Flame Spread Index	—	15	E 84
Flammability	—	0	UL 94V
Flammability	—	Self Extinguishing	D635
Chemical			
Chemical Resistance	-	Class D	D 1784
Electrical			
Electrical Volume Resistivity	Ohm/cm	6.0 x 10 ¹⁵	D 257
Dielectric Constant	60 Hz	3.03	D 150
Dissipation Factor	60 Hz	0.0083	D 150
Loss Index	60 Hz	0.025	D 150
Dielectric Strength	Volts / mil	645	D 149



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