

Typical Physical Properties: Vintec® Clear PVC

Property	Units of Measure	Value	ASTM Method
Physical			
Density	g/cm ³	1.4	D 792
Water Absorption	%	<0.07	D 570
Rockwell Hardness	R Scale	115	D 785
Shore Durometer	D	80	D 224
Mechanical			
Tensile Modulus	psi	426,000	D 638
Yield Strength	psi	7,500	D 638
Flexural Modulus	psi	480,000	D 790
Yield Strength	psi	12,000	D 790
Izod Impact Strength	ft-lb/in of notch	0.9	D 256
Thermal			
Vicat Softening Point	°C/°F	82/179	D1525
Heat Deflection Temp (66 psi)	°C/°F	74/165	D 648
Heat Deflection Temp (264 psi)	°C/°F	86/154	D 648
Coefficient of Linear Expansion	in/in/°C	6.7 x 10 ⁻⁵	D 696
Coefficient of Linear Expansion	in/in/°F	3.7 x 10 ⁻⁵	D 696
Flammability Ratings			
Flame Spread Index	—	Class 1	BS 476/7
Flammability	—	0	UL 94V
Flammability	—	Self Extinguishing	D 635
Chemical			
Chemical Resistance	-	Class B	D1784
Electrical			
Electrical Volume Resistivity	Ohm/cm	6.0 x 10 ⁻⁵	D 257

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