CORZAN® CPVC

TYPICAL PHYSICAL PROPERTIES	UNITS OF MEASURE	VALUE	ASTM METHOD
Physical			
Density	g/cm³	1.47	D 792
Water Absorption	%	.03	D 570
Rockwell Hardness	R Scale	117	D 2842
Hardness	Shore D	85	D 2240
Cell Class	-	23446	D 1784
Mechanical			
Izod Impact	ft-lb/in	10.0	D 256
Tensile Strength	psi	7,300	D 638
Tensile Modulus	psi	390,000	D 638
Flexural Strength	psi	12,700	D 790
Flexural Modulus	psi	382,000	D 790
Compressive Modulus	Psi	156,300	D 695
Thermal			
Heat Deflection Temp (264 psi)	°F	194	D 648
Coefficient of Linear Expansion	in/in/°F	3.9×10^{-5}	D 696
Thermal Conductivity	BTU	0.95	C 177
Flammability Ratings			
Vertical Burn Test	-	V-0	UL 94 (tested, not listed)
Limiting Oxygen Index	%	58 - 62	D 2863
Fire Resistance (per NSF standards)	in/min	Did not burn	D635
Electrical			
Dielectric Strength	kV/cm	1,250	D 147
Dielectric Constant	60 HZ	3.70	D 150
Volume Resistivity	Ohm / cm	3.4×10^{15}	D 257
Power Factor	100 HZ	0.01%	D 150