

CORZAN® CPVC

TYPICAL PHYSICAL PROPERTIES	UNITS OF MEASURE	VALUE	ASTM METHOD
Physical			
Density	g/cm ³	1.47	D 792
Water Absorption	%	.03	D 570
Rockwell Hardness	R Scale	117	D 785
Hardness	Shore D	85	D 2240
Cell Classification	-	24446	ASTM D1784
Mechanical			
Izod Impact	-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	3.8 x 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 x 10 ¹⁵	D 257
Power Factor	100 HZ	0.01%	D 150



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The 'Typical' properties of our plastic sheet cannot be automatically used when engineering finished components, and the fabricator or end user is responsible for insuring the suitability of our products for their specific application or end use!