

**CORZAN® CPVC**

TYPICAL PHYSICAL PROPERTIES		UNITS OF MEASURE	VALUE	ASTM METHOD
<b>Physical</b>				
Density		g/cm <sup>3</sup>	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
<b>Mechanical</b>				
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
<b>Thermal</b>				
Heat Deflection Temp (264 psi)		°F	194	D 648
Coefficient of Linear Expansion		in/in/°F	3.9 x 10 <sup>-5</sup>	D 696
Thermal Conductivity		BTU	0.95	C 177
<b>Flammability Ratings</b>				
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
<b>Electrical</b>				
Dielectric Strength		kV/cm	1,250	D 147
Dielectric Constant		60 Hz	3.70	D 150
Volume Resistivity		Ohm / cm	3.4 x 10 <sup>15</sup>	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!

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