

VYCOM CORRTEC[®] CORZAN[®] CPVC

CORRTEC CORZAN CPVC sheet is heat and chemical-resistant. Its excellent corrosion resistance at elevated temperatures makes it ideally suited for self-supporting constructions where high temperatures are a concern, especially in industrial applications. It meets ASTM, RoHS, and UL compliances, and is compatible with other CORZAN pipes and fittings, making it an excellent material for electrical cabinets, water treatment facilities, air handling, and more. Available in thicknesses varying from 1/8 inches to 3 inches.

APPLICATIONS

Plating and stripping tanks, air handling (scrubbers, ducts, and fume hoods), pipe flanges and spacers, wastewater treatment, electrical cabinets

TYPICAL PROPERTIES*

PROPERTY	TEST METHOD	UNITS	VALUES
PHYSICAL			
Density	ASTM D 792	g/cm ³	1.47
Water Absorption, 24 hours	ASTM D 570	%	0.03
Rockwell Hardness	ASTM D 785	R Scale	117
Shore Durometer	ASTM D 2240	D	85
Cell Classification	ASTM D 1784	-	24446
MECHANICAL			
Tensile Strength	ASTM D 638	psi	7,300
Tensile Modulus	ASTM D 638	psi	390,000
Flexural Strength	ASTM D 790	psi	12,700
Flexural Modulus	ASTM D 790	psi	382,000
Izod Impact	ASTM D 256	ft-lb/in	10.0
THERMAL			
Coefficient of Linear Expansion	ASTM D 696	in/in/°F	3.8 x 10 ⁻⁵
Heat Deflection Temperature @ 264 psi	ASTM D 648	°F	194
Thermal Conductivity	C 177	BTU	0.95
ELECTRICAL			
Dielectric Strength	ASTM D 147	kV/cm	1,250
Dielectric Constant	ASTM D 150	60 Hz	3.70
Volume Resistivity	ASTM D 257	Ohm-cm	6.0 x 10 ⁻⁵
Power Factor	ASTM D 150	100 Hz	0.01%
FLAMMABILITY			
Vertical Burn Test	UL 94 (tested, not listed)	-	V-0
Limiting Oxygen Index	ASTM D 2863	%	58-62
Fire Resistance (per NSF standards)	ASTM D 635	in/min	Did not burn

*Typical properties are not intended for specification purposes.

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These suggestions and data are based on information we believe to be reliable. They are offered in good faith, but without guarantee, as conditions and methods of use are beyond our control. We recommend that the prospective user determines the suitability of our materials and suggestions before adopting them on a commercial scale.

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PLASKOLITE

400 W Nationwide Blvd, Suite 400
Columbus, OH 43215
800.848.9124 • Fax: 877.538.0754
plaskolite@plaskolite.com
www.plaskolite.com

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