



Corzan™ Sheet

CORZAN™(1)CPVC is a high heat, corrosion resistant chlorinated polyvinyl chloride sheet (CPVC). Because of its excellent corrosion resistance at elevated temperatures, it is ideally suited for self-supporting constructions where high temperatures are a concern. It can be used (depending on chemistry) up to 210oF

Key Benefits

- Good Impact
- Machinable
- High Compressive Strength
- Weldable
- Manufactured with no plasticizers or fillers
- Retains Physical properties at elevated temperatures
- Excellent Fire Ratings (UL-94V-0) and a flame spread under 20 per ASTM E-84
- Conforms to ASTM D-1784-99 Class 23447-B (Formerly Type IV Grade 1)
- Can be used in self supporting construction up to 180°F

Color	Finish	Thickness	Width	Length
Gray	Smooth	1/8" - 3"	48"	96"
Gray	Smooth	1/4", 1/2", 1"	48"	120"
Gray	Smooth	1"	60"	120"

Property	Units	Value1	ASTM Method
Physical			
Specific Gravity	g/cm ³	1.55	D 792
Water Absorption	%	.03	D 570
Rockwell Hardness	R Scale	119	D 785
Cell Class	--	23447-B	D 1784
Mechanical			
Izod Impact (Notched)	ft-lb/in o.n.	1.5	D 256
Tensile Strength	psi	8000	D 638
Flexural Strength	psi	15,100	D 790
Flexural Modulus	psi	415,000	D 790
Compressive Strength	psi	10,100	D 695
Compressive Modulus	psi	196,000	D 695
Thermal			
Coefficient of Thermal Expansion	in/in/°F	3.4x10 ⁻⁵	D 696
Thermal Conductivity	BTU/in/hr/ft ³ /°F	0.95	C 177
Heat Distortion Temperature @264 psi	°C / °F	103/217	D 648
Flammability Ratings			
Flammability	V-0, 5VB, 5VA	0.062"	UL 94
Flame Spread	--	15	E 84
Smoke Developed	--	70-125	E 84
Limiting Oxygen Index	%	60	D2863
Electrical			
Dielectric Strength	Volt/MIL	1250	D 147
Dielectric Constant	60 HZ	3.70	D 150
Power Factor	1000 HZ	0.007%	D 150
Volume Resistivity	Ohm/cm	3.4 x 10 ¹⁵	D 257