



QUADRANT

CORZAN® CPVC

Economical Materials for Lower Temperature, Wet Applications Requiring Good Chemical Resistance

Product Profile:

- Performs in applications to 200°F (92°C)
- Good impact resistance
- ASTM D-1784: Meets cell classification 24436
- Reduces noise
- Self-lubricating
- No moisture absorption
- Chemical-and corrosion-resistant
- UL94 V-0 Flammability Rating



A qualified Corzan® Industrial System Processor, Quadrant offers products ideally suited to corrosive or high temperature environments in industries such as surface finishing and chemical processing.

Corzan® CPVC resists many acids, alkalis and solvents and has a UL94 V-O flammability rating.

Corzan® CPVC is gray in color and available in 48" x 96" sheets with gauge sizes ranging from 1/4" to 2".

Industries	Applications
Chemical processing, handling and storage Metals finishing	Hoods and ducting Instrument housings Plenums and manifolds Pump components Scrubbers Structural components Tanks Valve bodies

Dallas, Texas (Corporate Offices)
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Brandon, Mississippi

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DATA SHEET			
CORZAN® CPVC – ASTM D1748, Cell Classification 24436			
Property	Units	Test Method	Typical Average Values
Mechanical			
Specific Gravity, 73° F	-	ASTM D792	1.56
Yield Point, 73° F	psi	ASTM D638	6150
Elongation (at yield), 73° F	%	ASTM D638	3
Tensile Break, 73° F	psi	ASTM D638	6700
Elongation (at break)	%	ASTM D-638	12
Flexural Modulus of Elasticity 73° F	psi	ASTM D790	388000
Tensile Modulus of Elasticity, 73° F	psi	ASTM D638	260000
Hardness, Durometer, Shore "D" Scale, 73° F	-	ASTM D2240	84
Izod Impact (notched), 73° F	ft.lb./in.	ASTM D256 Type "A"	3.2
Thermal			
Heat Deflection Temperature 66 psi	°F	ASTM D648	
Melting Point (crystalline) peak	°F	ASTM D3418	
Continuous Service Temperature in Air (Max.)(1)	°F	-	200
Electrical			
Surface Resistivity	Ohm	ASTM D257	> 10 ¹²
Volume Resistivity	Ohms/cm	ASTM D257	> 10 ¹²
Flammability @ 3.1mm (1/8"). (3)	-	UL 94	VO
Miscellaneous			
Water Absorption	ASTM D-570	%	

- (1) Data represent Quadrant's estimated maximum long-term service temperature based on practical field experience.
- (2) Specimens: 1/8" thick x 2" diameter or square.
- (3) **Estimated rating based on available data.** The UL 94 Test is a laboratory test and does not relate to actual fire hazard. Contact Quadrant for specific UL "Yellow Card" recognition number.

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