

# Quadrant EPP Corzan® CPVC

Chlorinated Polyvinyl Chloride

Quadrant Engineering Plastic Products

## Message:

Quadrant EPP Corzan® CPVC is a Chlorinated Polyvinyl Chloride product. It is available in North America. Applications of Quadrant EPP Corzan® CPVC include engineering/industrial parts, coating applications, construction applications and tanks.

Characteristics include:

Flame Rated

Chemical Resistant

Corrosion Resistant

General Information			
Features	Acid Resistant		
	Alcohol Resistant		
	Alkali Resistant		
	Good Chemical Resistance		
	Good Corrosion Resistance		
Uses	Exhaust Duct Systems		
	Industrial Parts		
	Industrial Tanks		
	Protective Coverings		
	Pump Parts		
	Valves/Valve Parts		
Appearance	Grey		
Forms	Sheet		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.56	g/cm <sup>3</sup>	ASTM D792
Water Absorption			ASTM D570
24 hr	< 0.040	%	
Saturation	< 0.040	%	
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D)	84		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	1790	MPa	ASTM D638
Tensile Strength (Ultimate)	42.4	MPa	ASTM D638
Tensile Elongation (Break)	12	%	ASTM D638
Flexural Modulus	2680	MPa	ASTM D790
Flexural Strength (Yield)	46.2	MPa	ASTM D790
Compressive Modulus	2410	MPa	ASTM D695
Compressive Strength (10% Strain,23°C)	96.5	MPa	ASTM D695

Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	170	J/m	ASTM D256A
Thermal	Nominal Value	Unit	
Maximum Use Temperature - Long Term, Air	93	°C	
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	> 1.0E+12	ohms	Internal Method
Flammability	Nominal Value	Unit	Test Method
Flame Rating (3.18 mm, Estimated Rating)	V-0		UL 94

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#### Recommended distributors for this material

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