

Boltaron 4125

Chlorinated Polyvinyl Chloride
Boltaron Performance Products

Message:

Boltaron 4125 is a normal impact, high temperature, corrosion resistant CPVC sheet with an industrial smooth finish on both sides. Boltaron 4125 conforms to ASTM D-1784.

Standard Color: Light Gray (2028)

Custom Colors: Upon Request (min. order required)

Gauges: .032 to 3"

Width: 48"

Length: 96"

Custom Sizes: Upon request

Standard Texture: Industrial Smooth (Both Sides)

Custom Textures: Upon Request

Poly Masking: Upon Request

Suggested Applications:

Fume Hoods and Ducts

Machined Parts

Fume Scrubbers

Acid Etching Machines

Acid Tanks and Linings

General Information			
Features	Good Corrosion Resistance		
	Good Impact Resistance		
	Good Surface Finish		
Uses	Industrial Tanks		
	Liners		
	Machine/Mechanical Parts		
Agency Ratings	ASTM D 1784		
UL File Number	E54688		
Appearance	Colors Available		
	Light Grey		
Forms	Sheet		
Processing Method	Machining		
	Thermoforming		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.51	g/cm ³	ASTM D792
Water Absorption (24 hr)	0.035	%	ASTM D570
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	118		ASTM D785

Durometer Hardness (Shore D)	82		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	2760	MPa	ASTM D638
Tensile Strength (Yield)	52.4	MPa	ASTM D638
Tensile Elongation (Break)	37	%	ASTM D638
Flexural Modulus	2410	MPa	ASTM D790
Flexural Strength (Yield)	75.8	MPa	ASTM D790
Compressive Strength	78.6	MPa	ASTM D695
Shear Strength	63.6	MPa	ASTM D732
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	53 to 110	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Annealed)	100	°C	ASTM D648
Vicat Softening Temperature	41.1	°C	ASTM D1525
CLTE - Flow	8.0E-5	cm/cm/°C	ASTM D696
Specific Heat	920	J/kg/°C	ASTM C351
Thermal Conductivity	0.092	W/m/K	ASTM C177
Electrical	Nominal Value	Unit	Test Method
Volume Resistivity	2.4E+15	ohms·cm	ASTM D257
Dielectric Strength	60	kV/mm	ASTM D149
Dielectric Constant			ASTM D150
10 kHz	2.97		
100 kHz	2.91		
1 MHz	2.85		
Dissipation Factor			ASTM D150
10 kHz	0.012		
100 kHz	0.015		
1 MHz	0.017		
Flammability	Nominal Value	Unit	Test Method
Flame Rating (0.813 mm)	V-0		UL 94

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