

Boltaron® 4125

LIGHT GRAY CPVC

CORROSION
RESISTANCE

CHARACTERISTICS

- Corrosion resistant
- Industrial smooth finish on both sides
- Conforms to the requirements of ASTM D1784

USES

- Fume hoods, ducts, fume scrubbers
- Acid etching machines
- Machine parts, acid tanks and linings

PERFORMANCE DETAILS

PROPERTIES

Specific Gravity (ASTM D792)	1.51	
Tensile Strength (ASTM D638)	7,600 psi	52 MPa
Elongation Ultimate (ASTM D638)	37%	
Modulus of Elasticity (ASTM D638)	4 x 10 ⁵ psi	2,758 MPa
Flexural Strength (ASTM D790)	11,000 psi	76 MPa
Flexural Modulus (ASTM D790)	3.5 x 10 ⁵ psi	2,413 MPa
Hardness Rockwell R (ASTM D785)	118	
Izod Impact Notched (ASTM D256)	73 °F 1-2 ft-lb/in	23 °C 53-107 J/m
Hardness Shore D (ASTM D2240)	82	
Compression Strength (ASTM D695)	11,400 psi	79 MPa
Shear Strength (ASTM D732)	9,220 psi	64 MPa
Water Absorption (ASTM D570)	0.035%	

*Independent lab tests. All tests at 73°F (22.8°C) in dry conditions unless otherwise noted.

SHEET SIZES

Lengths	96 in	2,438 mm
Widths	48 in	1,219 mm
Gauges	from 0.032 to 3 in	from 0.819 to 76.2 mm
Custom	Blank sizes, gauges on request	

ELECTRICAL

Dielectric Strength (ASTM D149)	1,518 Volts/Mil.	
Volume Resistivity (ASTM D257)	2.39 x 10 ¹⁵ Ohms/cm	
Dielectric Constant (ASTM D150)		
10 KHz	2.973	
100 KHz	2.913	
1 MHz	2.848	
Dissipation Factor (ASTM D150)		
10 KHz	0.012	
100 KHz	0.015	
1 MHz	0.017	

THERMAL

Vicat Softening Point (ASTM D1525)	106 °C	
Thermal Expansion (ASTM D696)	4.4 x 10 ⁻⁵ °F	7.97 x 10 ⁻⁵ °C
Heat Deflection Annealed (ASTM D648)	212 °F @ 264 psi	100 °C @ 1.8 MPa
Thermal Conductivity (ASTM C177)	0.641 BTU/HR/FT/F/in	
Specific Heat (ASTM C351)	0.22 CAL/GM/°C	

FLAMMABILITY

UL 94	V-0	
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*Values based on minimum thickness of .032", UL File #E54688.

Attention: Avoid using cleaners containing quaternary ammonium compounds. In some cases, disinfectants containing quaternary ammonium compounds (QACs) could cause discoloration when left on at elevated temperatures and should be avoided for use on this grade of Boltaron material. For a full cleaning guide, visit www.boltaron.com/cleaning-and-disinfecting.

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4125
CPVC

DESIGN OPTIONS

- Color** Light Gray
- Textures** Industrial Smooth (Both Sides)
- Minimum** 500 lb

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RELIABILITY MEETS INNOVATION