

Boltaron® 4300

CLEAR TYPE II PVC

CORROSION
RESISTANT

CHARACTERISTICS

- High impact resistance
- Corrosion resistant
- Suitable for thermoforming
- Conforms to ASTM D1784
- Clear, smooth, polished surface on both sides

USES

- Equipment windows
- Machined parts
- Thermoformed parts

PERFORMANCE DETAILS

PROPERTIES

Specific Gravity (ASTM D792)	1.3	
Tensile Strength (ASTM D638)	6,000 psi	41 MPa
Modulus of Elasticity (ASTM D638)	3.0 x 10 ⁵ psi	2,068 MPa
Flexural Strength (ASTM D790)	9,200 psi	63.4 MPa
Flexural Modulus (ASTM D790)	3.5 x 10 ⁵ psi	2,413 MPa
Hardness Rockwell R (ASTM D785)	105	
Hardness Shore D (ASTM D2240)	80	
Compression Strength (ASTM D695)	7,400 psi	51 MPa
Shear Strength (ASTM D732)	5,300 psi	36.5 MPa
Water Absorption (ASTM D570)	0.05%/24H	
Izod Impact Notched (ASTM D256)	73 °F 10-15 ft-lb/in	23 °C 534-801J/m

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

SHEET SIZES

Lengths	to 96 in	2,438 mm
Widths	to 48 in	1,219 mm
Gauges	0.062 in to 1 in	1.57 mm to 25.4 mm
Custom	Blank sizes, gauges on request	

ELECTRICAL

Dielectric Strength (ASTM D149)	350 Volts/Mil.
Volume Resistivity (ASTM D257)	5.26 x 10 ⁻¹⁴ Ohms/cm
Dielectric Constant (ASTM D150)	4.00 @60Hz
Dissipation Factor (ASTM D150)	0.005 @60Hz
Loss Index (ASTM D150)	0.02

THERMAL

Thermal Expansion (ASTM D696)	2.50 x10 ⁻⁵ °F	4.50 x10 ⁻⁵ °C
Heat Deflection Annealed (ASTM D648)	150 °F @ 264 psi	66 °C @ 1.8 MPa
Thermal Conductivity (ASTM C177)	0.50 BTU/HR/FT/F/in.	
Specific Heat (ASTM C351)	0.29 CAL/GM/°C	

FLAMMABILITY

UL 94	V-0
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*Values based on a minimum thickness of 1.5 mm (.059 inches), UL File #: E54688

4300
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DESIGN OPTIONS

- Color** Clear with a "blue" tint
- Textures** Smooth polished surface (both sides)
- Masking** Standard (both sides)



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RELIABILITY MEETS INNOVATION

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