

4300

BOLTARON

4300

Type II Clear PVC

GENERAL INFORMATION

Boltaron 4300 is a transparent, high impact, corrosion resistant Type II PVC sheet with a smooth polished surface on both sides. Boltaron 4300 is suitable for thermoforming and conforms to ASTM D-1784.

AVAILABILITY

Standard Color: Blue Tint (9037)
Custom Colors: Upon Request (min. order required)
Gauges: .062 to 1"
Width: 48"
Length: 96"
Custom Sizes: Upon request
Standard Texture: Smooth Polished (Both Sides)
Custom Textures: Upon Request
Poly Masking: Standard (Both Sides)

SUGGESTED APPLICATIONS

Equipment Windows
Machined Parts
Thermoformed Parts

Typical Physical Properties

Property	Test Method	Typical Values
Mechanical		
Specific Gravity	ASTM D-792	1.3
Tensile Strength (PSI)	ASTM D-638	6,000
Modulus of Elasticity (PSI)	ASTM D-638	3.0×10^5
Flexural Strength (PSI)	ASTM D-790	9,500
Flexural Modulus (PSI)	ASTM D-790	3.5×10^5
Izod Impact (Ft. lbs./in. of notch)	ASTM D-256	10-15
Hardness Rockwell R	ASTM D-785	105
Hardness Shore D	ASTM D-2240	80
Compression Strength (PSI)	ASTM D-695	7,400
Shear Strength (PSI)	ASTM D-732	5,300
Water Absorption 24 hrs. (%)	ASTM D-570	0.05
Thermal		
Thermal Expansion (in/in ^o C)	ASTM D-696	4.5×10^{-5}
Heat Deflection (°F) 264 PSI (annealed)	ASTM D-648	150
Thermal Conductivity (BTU/HR/FT/F/in.)	ASTM C-177	0.50
Specific Heat (CAL/GM/°C)	ASTM C-351	0.29
Electrical		
Dielectric Strength (Volts/Mil.)	ASTM D-149	350
Volume Resistivity (Ohms/cm) $\times 10^{14}$	ASTM D-257	5.26
Dielectric Constant (60Hz)	ASTM D-150	4.00
Dissipation Factor (60Hz)	ASTM D-150	0.005
Loss Index (60 Hz)	ASTM D-150	0.020
Flammability		
UL	UL-94	V-0 ¹

¹ Values based on minimum thickness of .032", UL File # E54688

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LIMITATION OF WARRANTY

The application suggestions, specifications and other data described here are based upon experience and information that is believed, by BPP to be reliable. However, BPP makes no express or implied warranty that BOLTARON 4300 will perform in accordance with such specifications in any particular circumstance. Therefore, ALL EXPRESS OR IMPLIED WARRANTIES IN CONNECTION WITH BOLTARON 4300, INCLUDING THE WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, ARE EXPRESSLY DISCLAIMED. The prospective user should determine the suitability of BOLTARON 4300 and the application suggestions before actual application.