

# 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       |
|--|-------------|----------------------|
| <b>Mechanical</b>                                |             |                      |
| Specific Gravity                                 | ASTM D-792  | 1.3                  |
| Tensile Strength (PSI)                           | ASTM D-638  | 6,000                |
| Modulus of Elasticity (PSI)                      | ASTM D-638  | $3.0 \times 10^5$    |
| Flexural Strength (PSI)                          | ASTM D-790  | 9,500                |
| Flexural Modulus (PSI)                           | ASTM D-790  | $3.5 \times 10^5$    |
| Izod Impact<br>(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                 |
| <b>Thermal</b>                                   |             |                      |
| Thermal Expansion<br>(in/in <sup>°C</sup> )      | ASTM D-696  | $4.5 \times 10^{-5}$ |
| Heat Deflection (°F)<br>264 PSI (annealed)       | ASTM D-648  | 150                  |
| Thermal Conductivity<br>(BTU/HR/FT/F/in.)        | ASTM C-177  | 0.50                 |
| Specific Heat<br>(CAL/GM/°C)                     | ASTM C-351  | 0.29                 |
| <b>Electrical</b>                                |             |                      |
| Dielectric Strength (Volts/Mil.)                 | ASTM D-149  | 350                  |
| Volume Resistivity<br>(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                |
| <b>Flammability</b>                              |             |                      |
| UL   | UL-94       | V-0 <sup>1</sup>     |

<sup>1</sup> Values based on minimum thickness of .032", UL File # E54688

One General Street, Newcomerstown, OH 43832  
P 800.342.7444 F 740.498.5448 E info@boltaron.com  
[www.boltaron.com](http://www.boltaron.com)

## 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.