

4050

Type II PVC

Boltaron 4050 is high impact, high corrosion resistant, Type II PVC sheet with an industrial smooth finish on both sides. Boltaron 4050 is suitable for thermoforming and conforms to ASTM D-1784.

AVAILABILITY

Standard Colors:

Medium Gray (2103)
(stock)

Custom Colors:

Upon Request
(min. order required)

Gauges: .032 to 2 in.

Width: 48 in.

Length: 96 in.

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, Thermoformed Parts,
Fume Scrubbers,
Acid Etching Machines, Acid Tanks and Linings

TYPICAL PHYSICAL PROPERTIES

| PROPERTY | TEST METHOD | TYPICAL VALUES |
|--|-------------|------------------------|
| MECHANICAL | | |
| Specific Gravity | ASTM D-792 | 1.35 |
| Tensile strength (PSI) | ASTM D-638 | 5,600 |
| Elongation Ultimate (%) | ASTM D-638 | 122 |
| Yield (%) | ASTM D-638 | 4 |
| Modulus of Elasticity (PSI) | ASTM D-638 | 3.2 x 10 ⁵ |
| Flexural Strength (PSI) | ASTM D-790 | 8,000 |
| Flexural Modulus (PSI) | ASTM D-790 | 3.0 x 10 ⁵ |
| Izod Impact (Ft. lbs./in. of notch) | ASTM D-256 | 10-15 |
| Hardness Rockwell R | ASTM D-785 | 116 |
| Hardness Shore D | ASTM D-2240 | 80 |
| Compression Strength (PSI) | ASTM D-695 | 8,000 |
| Shear Strength (PSI) | ASTM D-732 | 6,500 |
| Water Absorption 24 hrs. (%) | ASTM D-570 | 0.056 |
| THERMAL | | |
| Thermal Expansion (in/in°C) | ASTM D-696 | 3.2 x 10 ⁻⁵ |
| Heat Deflection (°F) 264 PSI (annealed) | ASTM D-648 | 160 |
| Thermal Conductivity (BTU/HR/FT/F/in.) | ASTM C-177 | 0.74 |
| Specific Heat (CAL/GM/°C) | ASTM C-351 | 0.21 |
| ELECTRICAL | | |
| Dielectric Strength (Volts/Mil.) | ASTM D-149 | 335 |

| | | |
|--|------------|-------|
| Dielectric Constant (60Hz) | ASTM D-150 | 2.85 |
| Dissipation Factor (60Hz) | ASTM D-150 | 0.016 |
| Loss Index | ASTM D-150 | 0.045 |
| Volume Resistivity (Ohms/cm)x10 ¹⁴ | ASTM D-257 | 1.80 |

FLAMMABILITY

| | | |
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| UL | UL-94 | V-0 ¹ |
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¹ Values based on minimum thickness of .032", UL File # E54688

LIMITATION OF WARRANTY

The application suggestions, specifications and other data described here are based upon experience and information that is believed, by BOLTARON Inc., to be reliable. However, BOLTARON Inc. makes no express or implied warranty that BOLTARON 4050 will perform in accordance with such specifications in any particular circumstance. Therefore, ALL EXPRESS OR IMPLIED WARRANTIES IN CONNECTION WITH BOLTARON 4050, INCLUDING THE WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, ARE EXPRESSLY DISCLAIMED. The prospective user should determine the suitability of BOLTARON 4050 and the application suggestions before actual application.

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