



Boltaron® 4050 Type II PVC Sheet

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.

PROPERTY	TEST METHOD	TYPICAL VALUES
MECHANICAL		
Specific Gravity	ASTM D-792	1.35
Tensile strength (PSI)	ASTM D-638	5,600
Elongation Ultimate (%) Yield (%)	ASTM D-638 ASTM D-638	122 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		
UL	UL-94	V-0 ¹

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.

PRODUCT AVAILABILITY

Standard Colors:

Medium Gray (2103)
(stock)

Custom Colors:

Upon Request
(min. order required)

Gauges: .032" to 2.00" (0.81mm to 50mm)

Width: 48 in. (1220mm)

Length: 96 in. (2440mm)

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

Click here to order online:

<http://www.professionalplastics.com/BOLTARON4050TY2PVC>



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