

# 4050

**BOLTARON**

**4050**

**Type II PVC**

## GENERAL INFORMATION

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 Color: Medium Gray (2103) (stock)  
Custom Colors: Upon Request (min. order required)  
Gauges: .032 to 2"  
Width: 48"  
Length: 96"  
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
<b>Mechanical</b>		
Specific gravity	ASTM D-792	1.35
Tensile strength (PSI)	ASTM D-638	5,600
Elongation $\square$		
Ultimate (%)	ASTM D-638	122
Yield (%)	ASTM D-638	4
Modulus of Elasticity (PSI)	ASTM D-638	$3.2 \times 10^5$
Flexural strength (PSI)	ASTM D-790	8,000
Flexural modulus (PSI)	ASTM D-790	$3.0 \times 10^5$
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
<b>Thermal</b>		
Thermal Expansion		
(in/in $^{\circ}$ C)	ASTM D-696	$3.2 \times 10^{-5}$
Heat Deflection ( $^{\circ}$ F)		
264 PSI (annealed)	ASTM D-648	160
Thermal Conductivity		
(BTU/HR/FT/F/in.)	ASTM C-177	0.74
Specific Heat		
(CAL/GM/ $^{\circ}$ C)	ASTM C-351	0.21
<b>Electrical</b>		
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 (60Hz)	ASTM D-150	0.045
Volume Resistivity		
(Ohms/cm) $\times 10^{14}$	ASTM D-257	1.80
<b>Flammability</b>		
UL	UL-94	V-0 <sup>1</sup>

<sup>1</sup> 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 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.