

4225

BOLTARON

4225

FM4910 CPVC

GENERAL INFORMATION

Boltaron 4225 is a bright white, CPVC sheet with a smooth polished surface on both sides. Boltaron 4225 is suitable for thermoforming and meets FM Global Cleanroom Materials flammability test protocol (Class 4910).

AVAILABILITY

Standard Color: Bright White (1776)
Gauges: .250 to 1.00"
Width: 48"
Length: 96"
Custom Sizes: Upon request
Standard Texture: Smooth Polished (Both Sides)
Poly Masking: Standard (Both Sides)

SUGGESTED APPLICATIONS

Semiconductor Cleanroom Equipment
Machined Parts
Thermoformed Parts

Typical Physical Properties

Property	Test Method	Typical Values
Mechanical		
Specific Gravity	ASTM D-792	1.462
Tensile Strength (PSI)	ASTM D-638	7360
Modulus of Elasticity (PSI)	ASTM D-638	3.9×10^5
Flexural Strength (PSI)	ASTM D-790	12,000
Flexural Modulus (PSI)	ASTM D-790	3.8×10^5
Izod Impact (Ft. lbs./in. of notch)	ASTM D-256	>2
Hardness Rockwell R	ASTM D-785	117
Compression Strength (PSI)	ASTM D-695	10,544
Compression Modulus (PSI)	ASTM D-695	3.28×10^5
Water Absorption 24 hrs. (%)	ASTM D-570	0.07
Thermal		
Heat Deflection (°F) 264 PSI (annealed)	ASTM D-648	205
Thermal Expansion (in./in./°F)	ASTM D-696	6.3×10^{-5}
Electrical		
Dielectric Strength (Volts/Mil.)	ASTM D-149	1518
Dielectric Constant (10Khz)	ASTM D-150	2.973
□ □ (100Khz)	ASTM D-150	2.913
(1Mhz)	ASTM D-150	2.845
Dielectric Dissipative (10Khz)	ASTM D-150	0.012
□ □ (100Khz)	ASTM D-150	0.015
(1Mhz)	ASTM D-150	0.017
Flammability & Smoke		
FM Global	FM4910	Approved

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 4225 will perform in accordance with such specifications in any particular circumstance. Therefore, ALL EXPRESS OR IMPLIED WARRANTIES IN CONNECTION WITH BOLTARON 4225, INCLUDING THE WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, ARE EXPRESSLY DISCLAIMED. The prospective user should determine the suitability of BOLTARON 4225 and the application suggestions before actual application.

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