

Boltaron 4225 FM4910 CPVC

Chlorinated Polyvinyl Chloride
Boltaron Performance Products

Message:

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).
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)

General Information			
Features	Good Surface Finish		
	Semi Conductive		
Uses	Machine/Mechanical Parts		
	Semiconductor Molding Compounds		
Agency Ratings	FM 4910		
Appearance	White		
Forms	Sheet		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.46	g/cm ³	ASTM D792
Water Absorption (24 hr)	0.070	%	ASTM D570
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	117		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	2690	MPa	ASTM D638
Tensile Strength (Yield)	50.7	MPa	ASTM D638
Flexural Modulus	2620	MPa	ASTM D790
Flexural Strength (Yield)	82.7	MPa	ASTM D790
Compressive Modulus	2260	MPa	ASTM D695
Compressive Strength	72.7	MPa	ASTM D695
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	> 110	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Annealed)	96.1	°C	ASTM D648
CLTE - Flow	1.1E-4	cm/cm/°C	ASTM D696
Electrical	Nominal Value	Unit	Test Method

Dielectric Strength	60	kV/mm	ASTM D149
Dielectric Constant			ASTM D150
10 kHz	2.97		
100 kHz	2.91		
1 MHz	2.85		
Dissipation Factor			ASTM D150
10 kHz	0.012		
100 kHz	0.015		
1 MHz	0.017		

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