

Boltaron 4300

Polyvinyl Chloride

Boltaron Performance Products

Message:

Boltaron 4300 is a transparent, high impact, corrosion resistant Type II PVC sheet with a smooth polished surface on both sides. Boltaron 4300 is suitable for thermoforming and conforms to ASTM D-1784.

Standard Color: Blue Tint (9037)

Custom Colors: Upon Request (min. order required)

Gauges: .062 to 1"

Width: 48"

Length: 96"

Custom Sizes: Upon request

Standard Texture: Smooth Polished (Both Sides)

Custom Textures: Upon Request

Poly Masking: Standard (Both Sides)

Suggested Applications:

Equipment Windows

Machined Parts

Thermoformed Parts

General Information			
Features	Good Corrosion Resistance		
	Good Surface Finish		
	High Impact Resistance		
Uses	Machine/Mechanical Parts		
	Thermoforming Applications		
	Windows & Doors		
Agency Ratings	ASTM D 1784		
UL File Number	E54688		
Appearance	Clear - Blue Tint		
	Clear/Transparent		
	Colors Available		
Forms	Sheet		
Processing Method	Machining		
	Thermoforming		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.30	g/cm ³	ASTM D792
Water Absorption (24 hr)	0.050	%	ASTM D570
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	105		ASTM D785
Durometer Hardness (Shore D)	80		ASTM D2240

Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	2070	MPa	ASTM D638
Tensile Strength (Yield)	41.4	MPa	ASTM D638
Flexural Modulus	2410	MPa	ASTM D790
Flexural Strength (Yield)	65.5	MPa	ASTM D790
Compressive Strength	51.0	MPa	ASTM D695
Shear Strength	36.5	MPa	ASTM D732
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	530 to 800	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	65.6	°C	ASTM D648
CLTE - Flow	4.5E-5	cm/cm/°C	ASTM D696
Specific Heat	1210	J/kg/°C	ASTM C351
Thermal Conductivity	0.072	W/m/K	ASTM C177
Electrical	Nominal Value	Unit	Test Method
Volume Resistivity	5.3E+14	ohms·cm	ASTM D257
Dielectric Strength	14	kV/mm	ASTM D149
Dielectric Constant (60 Hz)	4.00		ASTM D150
Dissipation Factor (60 Hz)	5.0E-3		ASTM D150
Flammability	Nominal Value	Unit	Test Method
Flame Rating (8.13 mm)	V-0		UL 94
Additional Information	Nominal Value		Test Method
Loss Index - 60 Hz	4.00		ASTM D150

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