

Boltaron 1165

Acrylonitrile Butadiene Styrene + PVC + Acrylic (PMMA)

Boltaron Performance Products

Message:

Extruded from recycled resin, this UL 94 V-0 rated sheet offers excellent impact resistance, abrasion resistance and economy for general purpose thermoforming and fabricating applications

Boltaron 1165/1165C is a proprietary, fire retardant PVC/Acrylic sheet that is favorably priced against competitive general purpose, fire rated sheet.

It is extruded using select resin, trim and regrind of high performance Boltaron sheet. As a result, it exhibits qualities that meet or exceed many general thermoforming and fabrication requirements, such as Izod impact resistance of 10 ft. lbs./in. (530 J/m), broad chemical resistance, extreme abrasion resistance and a UL 94 V-0 fire rating, while reducing cost.

Offered in black and dark gray colors in six surface textures, the sheet is offered in lengths to 120 in. (3048 mm), widths to 60 in. (1524 mm), thicknesses from .040 to .250 in. (1.02 to 6.35 mm) and in custom blank sizes.

Boltaron 1165/1165C is readily thermoformed, yielding uniform wall thickness in deep recesses and sharp outside corners. It is also readily sawn, drilled, tapped, routed and otherwise machined using conventional tools, and can be brake formed (thinner gauges), heat welded, adhesive bonded and mechanically fastened, allowing rapid fabrication of a broad range of high-integrity parts and assemblies.

General Information			
UL YellowCard	E54688-244690		
Additive	Flame Retardant		
Recycled Content	Yes		
Features	Flame Retardant		
	Good Abrasion Resistance		
	Good Chemical Resistance		
	High Impact Resistance		
Uses	Housings		
UL File Number	E54688		
Appearance	Black		
	Dark Grey		
Forms	Sheet		
Processing Method	Thermoforming		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.41	g/cm ³	ASTM D792
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	108 to 111		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	34.5 to 35.9	MPa	ASTM D638
Flexural Modulus	2070 to 2280	MPa	ASTM D790
Flexural Strength (Yield)	59.3 to 60.7	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	530	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method

Deflection Temperature Under Load (1.8 MPa, Unannealed)	71.1	°C	ASTM D648
Flammability	Nominal Value		Test Method
Flame Rating (1.19 mm)	V-0		UL 94
Additional Information	Nominal Value	Unit	
Forming Temperature	168 to 196	°C	

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Recommended distributors for this material

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