

BOLTARON® 1165

Economical Recycle Grade: High Impact Strength, UL 94 V-0 Rated

Boltaron® 1165 sheet, extruded from select aircraft and electrical grade recycled trim and resin, provides an exceptional combination of UL 94 V-0 compliance, physical properties, consistent thermoforming and low cost compared with other flame rated sheet products.

Intended for general-purpose housings and interior components, this proprietary thermoplastic alloy sheet material is available in black, in custom textures and widths to 60 inches.

PROPERTIES

PROPERTY	TEST METHOD*	TYPICAL VALUES	
Specific Gravity	ASTM D792	1.47	
Tensile Strength	ASTM D638	5,200 psi	35.9 MPa
Flexural Strength	ASTM D790	8,800 psi	60.7 MPa
Flexural Modulus	ASTM D790	330,000 psi	2,275 MPa
Izod Impact (notched) @ 73°F (23°C)	ASTM D256	10 ft-lb/in.	534 J/m
Hardness Rockwell	ASTM D785	108-111	
Heat Deflection (annealed)	ASTM D648	160°F @ 264 psi	71°C @ 1.8 MPa
Flammability - UL	UL 94	V-0 ¹	
FORMING TEMPERATURE	—	335–385°F	168–196°C

¹Values based on minimum thickness of 0.040 in. (1.1 mm), UL File #E54688

*Independent lab tests. All tests at 73°F (22.8°C) in dry conditions unless otherwise noted.

Advantages

- High impact strength
- Meets UL 94 V-0
- Low cost; uses recycled aircraft grade trim
- Thermoforms consistently

Applications

- Electrical equipment housings
- Internal insulating panels
- Vending machine components
- Parts requiring painting

Configurations

- Sheet sizes
 - Lengths to 120 in. (3,048 mm)
 - Widths to 60 in. (1,524 mm)
 - Gauges from 0.028 to 0.250 in. (0.71 to 6.35 mm)
 - Custom sizes, gauges on request
- Colors, textures
 - Black
 - Industry's widest range of textures
 - 500 lb minimum

SIMONA offers the widest product range of PVC sheet and rod – FM 4910 rated sheet – chemical resistant materials from PVC, PP and PE to fluoropolymers – orthotics and prosthetics sheet – Boltaron® aircraft and specialty sheet – plus proven products for boat building, outdoor furniture and many other industries.

DISCLAIMER AND LIMITATION OF WARRANTY:

All information contained herein is believed by SIMONA AMERICA Inc. to be reliable. Typical properties are based on laboratory tests conducted on material samples in accordance with standard test methodology. SIMONA AMERICA Inc. makes no express or implied warranty that its products will perform in accordance with the data in all conditions and circumstances. To determine suitability for use, users must test applications under actual operating conditions. As a result, ALL EXPRESS OR IMPLIED WARRANTIES IN CONNECTION WITH SIMONA AMERICA INC. and BOLTARON PRODUCTS INCLUDING WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE EXPRESSLY DISCLAIMED.

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