

BOLTARON® 4332

Ultra-high Impact Resistant UL Flammability Rated Sheet

High impact resistance even at cold temperatures, flammability ratings, chemical and abrasion resistance and the widest range of colors and textures



Boltaron® 4332 sheet's unique combination of mechanical properties, exceptional impact strength, resistance to chemicals and abrasion, and its flame test ratings have made it a preferred material for the most rigorous application conditions.

With an Izod impact rating of 20 ft-lbs/in. (1060 J/m), this proprietary extruded thermoplastic alloy delivers toughness and durability well above most materials in its class, even in frigid end use conditions.

It also resists deformation under load at elevated temperatures, and withstands acidic and caustic chemicals and cleaners over the entire pH range.

Boltaron 4332 also affords the widest range of custom colors and textures available in the industry. Its abrasion resistance, higher than that of stainless steel, enhances and helps maintain its appearance.

Thermoforming and fabrication benefits include its lot-to-lot consistency, and the ability to maintain uniform wall thickness in deep draws and sharp corners. Boltaron 4332 is also non-hygroscopic, eliminating the need for costly and time-consuming pre-drying.

Conventional tools work well for sawing, drilling, tapping, routing and machining the material. It can also be heat welded, adhesive bonded and mechanically fastened, and can be brake-formed in thin gauges.

Advantages

- Impact resistance of 20 ft-lbs/in. (1060 J/m)
- UL 94 V-0 flammability rating
- Chemical resistance over full pH range
- Uniform surface and forming consistency
- Widest range of custom colors, textures
- Thin gauges to 0.028 in. (0.71 mm)
- Readily machined with conventional tools
- Versatile assembly and bonding techniques

Applications

- Equipment housings
- Gun holsters
- Knife sheaths
- Store fixtures
- Push plates, kick plates
- Refrigeration equipment

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 on request
- Colors
 - Widest range of custom colors
- Textures
 - Industry's widest range of textures



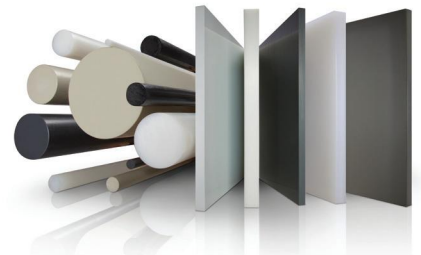
PROPERTIES/RATINGS - BOLTARON 4332

PROPERTY	TEST METHOD*	TYPICAL VALUES	
Specific Gravity	ASTM D792	1.35	
Tensile Strength	ASTM D638	5,700 psi	39.3 MPa
Flexural Strength	ASTM D790	8,700 psi	60 MPa
Flexural Modulus	ASTM D790	308,000 psi	2,125 MPa
Notched Izod	ASTM D256	20 ft-lbs/in.	1,068 J/m
Hardness Rockwell R	ASTM D785	106	
Heat Deflection - annealed °F @ 264 psi (°C @1.82 MPa)	ASTM D648	167.5 °F	75.3 °C
Flammability			
UL 94 @ 0.130 in. (3.3mm) min. gauge @ 0.040 in. (1.1mm) min. gauge	UL 94	94 V-0; 5 VA(1) 94 V-0; 5 VB(2)	
Forming Temperature	—	335-385 °F	168-196 °C

*Independent lab tests at 73°F (22.8°C) in dry conditions unless otherwise noted.
(1), (2) UL File #E54688

**BOLTARON FLAMMABILITY
RATED SHEET FOR GENERAL
THERMOFORMING AND FABRICATION:**

- BOLTARON® 4550 UV resistant Korad® film capped
- BOLTARON® 4335 high impact strength and rigidity
- BOLTARON® 4332 ultra-high impact resistance
- BOLTARON® 4320 low shrink high impact O&P grade
- BOLTARON® 4205 highest rigidity & temperature resistance
- BOLTARON® 4065MP thin gauge laminating grade
- BOLTARON® 1165 black, gray economy grade
- Plus a comprehensive range of BOLTARON FAR-rated aviation grades



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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