

BOLTARON® 4065MP

Damage Resistant Sheet for Flat & 3D Lamination

Greater impact resistance than high pressure laminates, melamine and thermofolios.

Membrane pressing can eliminate unsightly seams and delamination problems.



Wood core substrates that are membrane pressed or flat laminated with Boltaron® 4065MP sheet look new even after years of impacts, abrasion, harsh cleansers and the general abuse of commercial and institutional environments.

With its exceptionally high Izod impact strength of 18 ft-lb/in. (953 J/m), cabinetry and other parts flat laminated with Boltaron 4065MP can eliminate the cracking and chipping associated with high-pressure laminates and melamine, while parts membrane pressed with Boltaron sheet can eliminate unsightly seams and delamination problems associated with flat-laminated materials.

On aesthetics, the material thermoforms consistently and has highly uniform surface quality and color. Boltaron's unique production capabilities in custom textures and colors expand design options and also ensure that brackets, housings, racks and other parts made from the material can match laminated components in both appearance and fire ratings.

This versatile sheet can be thermoformed, brake formed, machined, adhesive bonded, miter-folded, heat welded and mechanically fastened without cracking. As an economical benefit over competitive materials, Boltaron 4065MP is offered in cost-effective gauges as thin as 0.018 in. (0.457 mm).

Advantages

- Izod impact strength of 18 ft-lb/in. (953 J/m)
- Economical thin gauges ≥ 0.018 in. (0.457 mm)
- Tough, scratch resistant surface
- Formability in deep draws, sharp corners
 - Contours, detailed compound logos
- Widest range of colors and textures
 - Low minimums
- Uniform surface quality

Applications

- Flat and 3D laminated panels
- Checkout counters
- Kiosks
- Store fixtures, displays
- Table tops
- Logo and trademark panels

Configurations

- Sheet sizes
 - Sheet lengths to 120 in. (3,048 mm)
 - Continuous rolls available
 - Widths to 60 in. (1,524 mm)
 - Gauges from 0.018 in. (0.457 mm)
 - Custom sizes, gauges on request
- Colors, textures
 - Widest range available
 - 500 lb minimum

PROPERTIES/FAR RATINGS

PROPERTY	TEST METHOD*	TYPICAL VALUES	
Specific Gravity	ASTM D792	1.370	
Izod Impact (notched) @ 73 °F (23 °C)	ASTM D648	18 ft-lb/in.	953 J/m
Hardness Rockwell	ASTM D785	106	
Heat Deflection (annealed)	ASTM D648	165 °F @ 264 psi	74 °C @ 1.8 MPa
Heat Deflection (unannealed)	ASTM D648	150 °F @ 264 psi	65.5 °C @ 1.8 MPa
Ball Impact Resistance	NEMA LD ₃ - 2005	>3000	
Dart Impact Resistance	NEMA LD ₃ - 2005	>1100	
Flammability	UL 94	V-0 ¹	

¹Values based on independent lab testing

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

MEMBRANE PRESSING TYPICAL PARAMETERS

Cycle Times	Preheating: 45-50 Seconds Pressing: 40-45 Seconds Cooling: 35-40 Seconds	
Typical Heater Settings	Top: 257 - 284 °F Bottom: 172 - 185 °F	Top: 125 - 140 °C Bottom: 78 - 85 °C
Pressure	45 psi	3 Bars

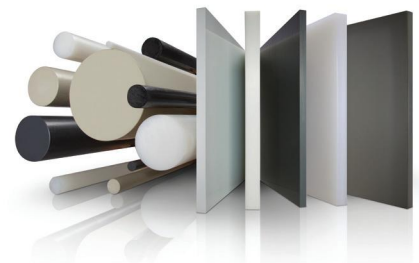
RELATED PRODUCTS

RIGIWALL® Class 1-A Wallcovering Sheet Products

RIGIWALL® Grade	Description	Class 1-A max. thickness
4323	Interior, impact resistant	0.060 in. (1.5 mm)
4333	Interior, impact resistant	0.040 in. (1.02 mm)
4333W	UV and impact resistant	0.040 in. (1.02 mm)
4353	Interior, impact resistant	0.125 in. (3.0 mm)
4363	Interior, PVC-free	0.060 in. (1.5 mm)

3D Membrane Pressing and Laminating Grade

Boltaron 4065MP	Interior, impact resistant	Flammability: UL 94 V-0
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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:

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