

4065MP *Damage Resistant Sheet for Flat & 3D Lamination*

Greater impact resistance than high pressure laminates, melamine and thermofoils

Wood core substrates that are membrane pressed or flat laminated with Boltaron sheet can resist impact, abrasion, harsh cleansers and general abuse typical of commercial and institutional environments — while continuing to look new after years in the field.

Cabinetry and other parts that are flat laminated and edge banded with Boltaron sheet can eliminate the cracking and chipping associated with high pressure laminates and melamine, while parts that are membrane pressed with Boltaron sheet can also eliminate the unsightly seams and de-lamination associated with flat-laminated materials.



In addition, Boltaron sheet can be thermoformed, brake formed, machined, adhesive bonded, miter-folded, heat welded and mechanically fastened without cracking, allowing secondary operations and the production of brackets, housings, racks and other parts that match laminated components in color, texture and fire ratings.

And unlike competitive laminate, Boltaron 4065MP is offered in

thicknesses as thin as 0.018 in. (.46 mm), allowing for enhanced formability and cost effectiveness without sacrificing in-field performance.

For these reasons, Boltaron 4065MP is specified by leading retailers and store fixture manufacturers for membrane pressed and flat laminated components requiring unequalled in-field performance and appearance.

APPLICATIONS

- Flat Laminated Panels
- Checkout Counters
- Kiosks
- Store Fixtures and Displays
- Tabletops
- Logo & Trademarked Panels

FEATURES

- Izod Impact resistance of 18 ft lbs/in. (953 J/m) and scratch resistant surface reduces chipping and marring associated with high pressure laminate
- Unlimited colors with low minimums, no premiums and fast turnaround. Lot-to-lot color consistency allows undetectable field replacements
- Extreme formability; allows the sheet to be pressed readily into and around routed MDF, even into deep recesses and sharp corners, allowing for detailed compound logos and contoured designs
- Gauges from 0.018 in. (4.57 mm), increasing formability and cost effectiveness versus competitive laminate

Boltaron 4065MP sheet is offered in standard Scratch Resistant texture.

UNLIMITED COLORS



TYPICAL PROPERTIES

PROPERTY	TEST METHOD	TYPICAL VALUES
Specific Gravity	ASTM D-792	1.37
Izod Impact (@ 73°F/23°C)	ASTM D-256	18 ft lbs/in. (953 J/m)
Hardness Rockwell	ASTM D-785	106
Heat Deflection (annealed)	ASTM D-648	165°F @ 264 PSI 74°C @ 1.8 Mpa
Heat Deflection (unannealed)	ASTM D-648	150° F @ 264 PSI 65.5°C @ 1.8 Mpa
Ball Impact Resistance	NEMA LD3 – 2005	>3000
Dart Impact Resistance	NEMA LD3 – 2005	>1100
Flammability	UL-94	V-0 ¹

¹Values based on independent lab testing

MEMBRANE PRESSING TYPICAL PARAMETERS

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



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OTHER BOLTARON THERMOFORMABLE GRADES:

- Boltaron 4205
- Boltaron 4300
- Boltaron 4330
- Boltaron 4350
- Boltaron 4800
- Boltaron 6530
- Boltaron 6540
- Boltaron 6800
- Boltaron 6800E
- Boltaron 9200/9200C
- Boltaron 9230/9230C
- Boltaron 9250/9250C
- Boltaron 9815
- Boltaron 9815E
- Boltaron 9815F
- Boltaron 9815M
- Boltaron 9816
- Boltaron 9915