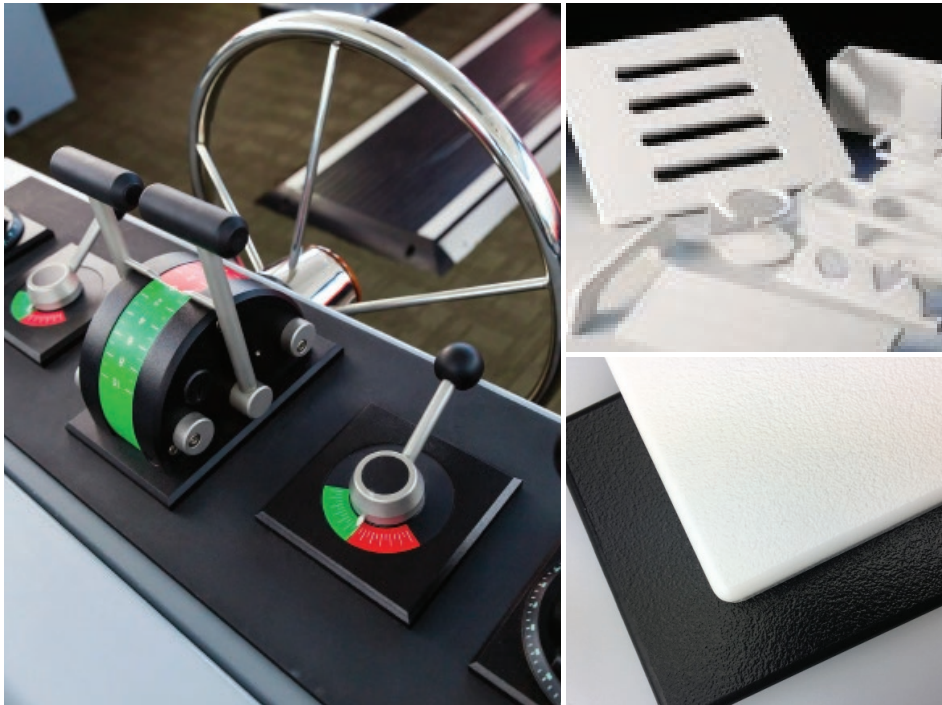


SIMONA® HDPE BOATBOARD® Lightweight

Offers more than 20% weight savings compared to standard marine grade polymers. Provides lasting durability for marine parts, outdoor cabinetry, food preparation surfaces, and retail displays.



Advantages

- More than 20% lighter than standard HDPE sheet
- UV and water resistant
- Integral color hides marring, scratches
- Uniform color and surface consistency
- Maintenance-free, easy to clean
- Easy to fabricate using standard woodworking tools

Applications

- Instrument panels
- Instrument and control base plates
- Deck and seating components
- Doors, hatch and well covers
- Tables, trim, cabinets
- Storage and tackle bins
- Cup and rod holders
- Cutting boards, fish cleaning stations

Configurations

- Sheet sizes
 - 48 x 96 in. (1,219 x 2,440 mm)
- Gauges
 - 1/2, 3/4 in. (12.7, 19.05 mm)
- Colors
 - Black
 - White
- Texture: Matte 2 sides
- Masking: 1 side
- Custom colors, sizes: On request

SIMONA® HDPE BOATBOARD® Lightweight sets the high bar for its combination of long-term performance, durability, appearance and fabrication ease and consistency.

In boat building components, this lightweight, UV resistant sheet withstands long term exposure to intense sun, salt water and rigorous use. This also makes it ideal for outdoor patio, poolside and marina cabinetry, furniture and accessories. Its impact resistance, FDA compliance, easy-to-clean surface and attractive appearance enhance indoor medical, clinical and laboratory cabinetry as well.

Unlike plywood, SIMONA HDPE BOATBOARD® Lightweight won't delaminate, rot or splinter, and its integral colors hide scratches and marring that ruin painted surfaces. Its stain resistance, easy-to-clean matte finish further assure long lasting appearance and functionality.

In fabrication, it maintains exceptional flatness and dimensional stability for high production yields and finished part quality. Standard woodworking equipment works well with the material, and fabricators appreciate its advantages for flat, formed or machined panels.



SIMONA® HDPE BOATBOARD Lightweight offers exceptional flatness, stability and consistency in machining and fabrication.

PROPERTIES SIMONA® HDPE BOATBOARD Lightweight

PROPERTY, Units of Measure ¹	Test Method	TYPICAL VALUES	
		SIMONA® HDPE BOATBOARD® Lightweight	
Specific Gravity	ASTM D792	< 0.77 g/cc	
Water Absorption, %	ASTM D570	< 0.01	
MECHANICAL			
Tensile Strength @ Yield	ASTM D638	2,400 psi	16.55 MPa
Elongation @ Break, %	ASTM D638	10%	
Flexural Modulus	ASTM D790	160,000 psi	1,103 MPa
Notched Izod Impact	ASTM D256	2.4 ft-lb/in.	
Hardness, Shore D	ASTM D2240	68	
Coefficient of Expansion x10 ⁻⁵	ASTM D696	10	
THERMAL			
Melting Point	ASTM D3418	267° F	130.7° C
FDA			
FDA reg. 21 Chapter 1 part 177.2510	—	Yes	

¹All tests at 73°F (22.8°C) in dry conditions unless otherwise noted. Sample size measured was ½" nominal thickness. Flexural Modulus measured using 1% secant, span at 8.0 in. Cross head speed 2.0 in./min. Sample size was modified in order to fully elongate within the equipment upper limit.

SIMONA® PE, PP AND PVC FOR MACHINING AND FABRICATION

SIMONA® Polypropylene, polyethylene sheet and rod

- SIMONA® Polypropylene homopolymer
- SIMONA® Polypropylene copolymer
 - Natural, white, black, eurogrey
- SIMONA® HDPE and HDPE BOATBOARD®
 - Natural white, black, custom colors
- SIMONA® HDPE BOATBOARD® Lightweight
- SIMONA® HDPE Polytone®
- SIMONA® HDPE Polygrain®

SIMONA® PVC sheet and rod

- SIMONA® PVC Type I & Type II
 - White, black, gray, colors
 - Clear

SIMONA® CPVC sheet

- White, gray
- Clear

UL 94 V-0 and FM 4910 flammability test compliant
PP, PVC and CPVC grades available.

DISCLAIMER AND LIMITATION OF WARRANTY: All information contained herein is believed by SIMONA AMERICA Group to be reliable. Typical properties are based on laboratory tests conducted on material samples in accordance with standard test methodology. SIMONA AMERICA Group 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 Industries, SIMONA BOLTARON and SIMONA PMC PRODUCTS INCLUDING WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE EXPRESSLY DISCLAIMED. MB 07.22

SIMONA AMERICA Industries

101 Power Blvd.
Archbald, PA 18403
Phone 1 866 501 2992
Fax 1 800 522 4857
sales-sai@simona-group.com
www.simona-america.com