

SIMONA® HDPE Foam Cutting Board

Offers more than 20% weight savings compared to standard HDPE sheet. Provides lasting durability, temperature and stain resistance for use in food preparation surfaces and storage areas.



SIMONA® HDPE Foam Cutting Board sets the high bar for its combination of light weight, long-term performance, durability, and fabrication ease and consistency.

In cutting board and food preparation surface applications, this lightweight, stain-resistant sheet withstands long term exposure to moisture, cleaning agents, and rigorous use. It's resistance to cold and hot temperatures makes it ideal for commercial cutting boards and food storage cabinetry.

Unlike wooden cutting boards, SIMONA HDPE Foam Cutting Board sheet won't delaminate, rot or splinter, and its integral color hide scratches marring from long term use. Its stain resistant, 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.

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

- Cutting boards
- Food preparation surfaces
- Food storage cabinetry
- Food waste containers

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 Foam Cutting Board offers exceptional flatness, stability and consistency in machining and fabrication.

PROPERTIES SIMONA® HDPE Foam Cutting Board

PROPERTY, Units of Measure ¹	Test Method	TYPICAL VALUES	
		SIMONA® HDPE Foam Cutting Board	
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			
Continuous Service Temperature	Maximum	170° F	76.7° C
Melting Point	ASTM D3418	267° F	130.7° C
FDA			
FDA reg. 21 Chapter 1 part 177.2510	—	Yes	

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 Boat Board®
 - Natural white, black, custom colors
- SIMONA® HDPE Boat Board® Lightweight
- SIMONA® HDPE Polytone®
 - Outer "skin" color, contrasting color core

SIMONA® PVC sheet and rod

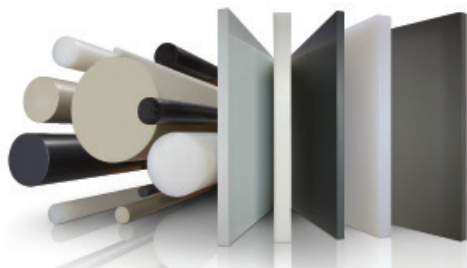
- SIMONA® PVC Type I & Type II
 - White, black, gray, colors
 - Clear

SIMONA® CPVC sheet

- White, gray

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

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 AMERICA Industries 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 - SIMONA Boltaron® aircraft 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.

SIMONA AMERICA Industries

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