

SPARALLOY® MARINE UTILITY BOARD

Sparalloy® is a unique blend of polymers specifically formulated by Spartech Plastics to meet the needs of the marine industry and the boat builder who lays-up fiberglass. Our unique foamed ABS Alloy process allows for superior adhesion of fiberglass and commercial adhesives. It has no water absorption, the screw retention of hard wood, and the rigidity to be used in everything from cleat blocks to bulkheads. It is an excellent replacement for wood, metal, polyethylene, and foam urethanes.



FEATURES AND BENEFITS

- **Surface Texture** – rough texture specifically developed to increase surface area for enhanced bonding. This helps in the bonding process, expect to see rough grooves or deep grain.
- **Screw Retention** – Greater than 713 lbs./in. pull with a #8 screw.
- **Drill and Tap** – thread Sparalloy® with a coarse thread tap. Bolt hardware and equipment directly to save time and money.
- **Bonds** – to Polyester/Vinyl Ester Resin, epoxies, Urethanes and Methacrylate Adhesives.
- **Floats** – Sparalloy® has a specific gravity .85.
- **Rigidity** – similar to plywood of the same or equal thickness.

PROCESSING

Fabricate with common woodworking tools and CNC Routers. As with any thermoplastic material, coefficient of thermal expansion and other physical properties should be taken into account. When considering part design and processing questions please contact us. Do not expose Sparalloy® to acetone, lacquer thinner or other harsh chemicals.

AVAILABILITY

Sparalloy® is only available in black
Sparalloy® is a custom extruded sheet product
Sheets Size – maximum sheet size 48” x 96”
Gauges – nominal thickness 0.200 – 0.750
Minimum Order – 5,000 lbs.

Flatness – Flatness is important. This material is cut out on table saws, routed and fabricated. CNC tables require stock that is flat. Spartech has established a flatness tolerance of a max bow of .75” in either the 48” or 96” direction. This is an extruded foam utility sheet and some variations to the sheet are to be expected. This is not a stress-relieved sheet and is a thermoplastic.

Call 800-677-4338 or email marketing@spartech.com to order these products.

FOLLOW US:

Specifically formulated to meet the needs of the marine industry, Sparalloy® provides boat builders and other marine industry professionals an excellent replacement for wood, metal, polyethylene, and form urethanes in areas that require zero water absorption, a good strength-to-weight ratio, and ease of fabrication.

Property	Test Method	Value*
Specific Gravity	ASTM D792	0.85
Tensile Strength	ASTM D638	3,500 psi
Flexural Strength	ASTM D790	2,470 psi
Flexural Modulus	ASTM D790	300,000 psi
Izod Impact (Notched) 72°F	ASTM D256	2.2 ft-lbs/in
Gardner Impact 72°F	ASTM D5420	320 in-lb
Rockwell Hardness (R Scale)	ASTM D785	98
Heat Deflection Temperature @ 264 psi	ASTM D648	198°F
Compressive Strength – Flatwise	ASTM C365	1,100psi
Core Compressive Modulus	ASTM C365	19,600 psi
Fastener Pull-Out—#8 Screw	ASTM D1761	700 psi

*All values based on 0.470" material thickness unless otherwise stated.