Fiberglass cloth is exactly what the name says - glass. Fine fibers are spun from molten glass marbles, gathered into yarn and woven into a strong, supple glass fabric. It can be folded, rolled or draped, like any other loosely woven fabric - but it can be chemically transformed into solid sheets of tremendous strength. All the fiberglass fabrics listed below are volan treated for maximum strength and resistance to moisture and abrasion. They feature a weave that is tight enough for high strength, yet open enough for thorough wetting by resins.

### Standard E-Glass Fiberglass Cloth

1. **4533**
   - Weight: 60 oz./yd² Width: 50”
   - Thickness: .009”
   - Breaking Strength: 125 x 120 lb./in.
   - Finished Weight: 5.6 oz./yd²
   - Price: $9.60/yd

### S-Glass

The chemical formulation of S-glass differs from that of standard E-glass. Examples of E-glass are found in the Standard Fiberglass Cloth section of this catalog S-glass is 30% stronger and 15% stiffer than E-glass and retains these properties up to 1500°F. S-glass is also considerably tougher than an equivalent E-glass. Other styles are available on request. Sold by the yard.

#### Part No. | Weight/sq yd | Width | Ply Thickness | Price/yd
--- | --- | --- | --- | ---
#120 | 360 oz/sq yd | 38” Width | .005” | $8.50 yd
#1522 | 250 oz/sq yd | 50” Width | .009” | $5.50 yd
#3733 | 105 oz/sq yd | 60” Width | .010” | $5.80 yd

### Knitted E-Glass Fabric

Knitted fabrics are a relatively new format in composites. The performance of the glass is greatly enhanced by removing the interstices of the woven fabric and the cramped condition. E-glass in woven goods normally has 22,000 psi tensile strength. Layered nonwoven goods give 72,000 psi which is about a 20% improvement. Knitted glass offers greater ease of fabric orientation and saves time over multi-layered wet lay-ups.

#### Part No. | Weight/sq yd | Width | Ply Thickness | Price/yd
--- | --- | --- | --- | ---
#00640 | 103 oz | 50” | .007” | $11.95
#00650 | 98 oz | 50” | .01” | $9.99

### Nomex Honeycomb

Nomex 7800 is an Commercial Grade Nomex honeycomb particularly suited for use where resistance to corrosive attack and moisture are important. This material exhibits good strength characteristics and is fire resistant. It is available in a variety of cell sizes and densities to suit most purposes. Typical applications include lightweight non-structural bulkheads for ships, joiner panels, shelters, antennas, and auto body panels. This material is not intended for aircraft or aerospace applications. This material also exhibits good thermal insulation properties and also has good dielectric properties. This honeycomb is easily machined, formed, and shaped and well suited to adhesive bonding.

#### Description | Part No. | Price
--- | --- | ---
Honeycomb 1/8” Thick, 1/8” Cell 4’ x 8’ | 01-00487 | $205.95
Honeycomb 1/8” Thick, 1/8” Cell 4’ x 4’ | 01-00489 | $102.98
Honeycomb 1/4” Thick, 1/8” Cell 4’ x 8’ | 01-01052 | $312.00
Honeycomb 1/4” Thick, 1/8” Cell 4’ x 4’ | 01-01564 | $150.95
Honeycomb 1/8” Thick, 3/16” Cell, 39” x 108” | 01-01572 | $165.75
Honeycomb 1/8” Thick, 3/16” Cell, 39” x 54” | 01-01573 | $82.00
Honeycomb 1/8” Thick, 1/4” Cell, 39” x 108” | 01-01574 | $246.95
Honeycomb 1/8” Thick, 1/4” Cell, 39” x 54” | 01-01575 | $124.95