**CARBON GRAPHITE**

**BIDIRECTIONAL WOVEN CARBON GRAPHITE**

Woven graphite is a fabric introduced in recent years which has become an excellent alternative to fiberglass and Kevlar. It is only 0.25" thick with a great strength. It is used on Polliwagen, Long-EZ, Cozy, Adventure and erably. Wt. 22 oz./sq. yd., 0.025" thick. It may be used with either polyester or epoxy systems. Used on the graphite fabric itself give it an immediate waiting basis. Be sure to specify the graphite style when ordering. These carbon graphite cloths are not pre-preg fabrics.

* Warning folding for shipment can damage the filaments in the skin. This 100% unidirectional tape can furnish exceptionally high directional seams, corners, edges for repair jobs. Sold in 50 yd. rolls.

**CARBON FIBER**

<table>
<thead>
<tr>
<th>Style</th>
<th>Part No.</th>
<th>Weight</th>
<th>Width</th>
<th>Thickness</th>
<th>W x F</th>
<th>Weave</th>
<th>Breaking Strength</th>
<th>Price /yd.</th>
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</thead>
<tbody>
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<td>282</td>
<td>01-00626</td>
<td>11</td>
<td>42&quot;</td>
<td>.013</td>
<td>24x24</td>
<td>BHS</td>
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<td>24x24</td>
<td>BHS</td>
<td>650 650</td>
<td>$89.65</td>
</tr>
</tbody>
</table>

**FIBER TAPES**

Tapes are woven from 8.7 oz./sq. yd. fiberglass cloth, .012" thick, into narrow widths with non-raveling selvage. Perfect for glassing seams, corners, edges for repair jobs. Sold in 50 yd. rolls.

**UNIDIRECTIONAL CARBON 175**

Construction is such that the fibers are oriented in a straight or linear manner with no twist and are able to be maintained in that condition while being impregnated by hand. The fabric is formed from rovings or "tows" of fibers similar to that used in making woven fabric. These fibers are locked into position by very fine fill (or cross machine direction) fibers. For hand lay-ups, resin may be applied by spray, brush, or by pouring action. A short napped paint roller is recommended for spreading the resin. Excess resin should always be rolled out in a direction parallel to the graphite fibers. Satisfactory for use with epoxies, polyesters, vinyl esters, and other resins. Care and cleanliness should be practiced when working with graphite materials. Unattached graphite fibers are easily airborne. A filter mask should be worn when cutting and fabricating. Itching and irritation caused by broken filaments becoming embedded in the skin can result from filament breakage during handling. Sold by the yard. Style: 715. Weight: 5.37 oz./sq. yd. Width: 53.5 in. Thickness: 6.69 mils. 

**UNIDIRECTIONAL CARBON TAPES**

These carbon fiber tapes are used to add stiffness and tensile strength in one direction without adding significant thickness or weight. These West System tapes have 12 carbon fiber bundles per inch of tape width. The bundles are held together with a polyester fill thread making the tape easy to handle. These tapes are compatible with epoxies but not with vinylester or poly-ester resins. #702 tape is 1.5" wide and #703 tape is 3" wide.

**CARBON FIBER TUBING**

Aircraft Spruce offers structural tubing and structural torsion tubing, engineered and built to meet your exact specifications and tolerances. Structural Torsion Tubing, in continuous lengths up to 40‘, is manufactured with the computer-controlled, fully-automated Helical Winding Process. We offer a broad array of Fiber Options and tubing wall thickness and diameter is determined on a case-by-case basis to suit your application. Special Order Sold in 10 ft. lengths only (can cut for UPS shipment).

* The image shows two types of finish on this product. The standing tube is sanded and painted with a gloss finish. This is available for an additional cost of $249.00. The tube lying on its side is a rough surface, which will be received when product is purchased.