NSP/CSP

NSP

CSP

Features:

NSP is a unique fiber that is **lighter, stronger, offers ½ the stiffness and 10 X the impact resistance than carbon**. The stiffness can be regulated by fiber orientation to be equal to carbon. NSP can be stiff or flexible depending upon practioner preference. NSP wets out fast because of its high fiber interface and low void content. Translated the resin sticks and air does not get trapped easily.

NSP does not create any flying fibers and therefore it
ELIMINATES THE ITCH
factor which all practitioners and technicians love.

- Provides great fatigue strength for the socket
- Tested in socket form under ISO guidelines for patients up to 500 lbs
- Available in 3, 4, 5, 6 and 8 inch width & 10 and 50 feet length

RESULT: STRONG SOCKET THAT IS LIGHTER AND MORE COST EFFECTIVE THAN CARBON FIBER SOCKET.

Product Description WHITE	Product #	Product Description BLACK	Product #
NSP Braid – 3” x 10 feet	4011-3,10	CSP Braid – 3” x 10 feet	4012-3,10
NSP Braid – 3” x 50 feet	4011-3,50	CSP Braid – 3” x 50 feet	4012-3,50
NSP Braid – 4” x 10 feet	4011-4,10	CSP Braid – 4” x 10 feet	4012-4,10
NSP Braid – 4” x 50 feet	4011-4,50	CSP Braid – 4” x 50 feet	4012-4,50
NSP Braid – 5” x 10 feet	4011-5,10	CSP Braid – 5” x 10 feet	4012-5,10
NSP Braid – 5” x 50 feet	4011-5,50	CSP Braid – 5” x 50 feet	4012-5,50
NSP Braid – 6” x 10 feet	4011-6,10	CSP Braid – 6” x 10 feet	4012-6,10
NSP Braid – 6” x 50 feet	4011-6,50	CSP Braid – 6” x 50 feet	4012-6,50
NSP Braid – 8” x 10 feet	4011-8,10	CSP Braid – 8” x 10 feet	4012-8,10
NSP Braid – 8” x 50 feet	4011-8,50	CSP Braid – 8” x 50 feet	4012-8,50

ST&G CORPORATION
2691 Saturn Street
Brea CA 92821, U.S.A

TO ORDER CALL: 714-524-0663 / FAX: 714-364-8113

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NSP/CSP™

NSP Technical Data

Cutting NSP™ Fiber:

- Before cutting NSP fiber, tape the edge of the fiber with masking tape then cut down the middle of the tape line.
- Use a scissor with a serrated edge.
- If you attempt to cut NSP fiber with a smooth bladed scissor, use very sharp scissors then fold the braid over on itself - (doubling up) greatly helps.

Lamination:

NSP / CSP is a high tech strong fiber. It requires a strong resin like 80:20 to contain the fiber when grinding. For the best edging results, the use of Perlon, nylon or 1/2oz Dacron felt is ideal as the first layer and the last layer.

Grinding:

- Use high speed and low pressure.
- Only use sharp abrasives, dull abrasives will create friction and will "burn off" the resin and leave exposed fibers at your edge.

Note: "Burn off" is when the resin heats up with friction and melts or shrinks back, exposing the fiber contents.

Edging Techniques:

(The use of inner and outer finish layers is required. See example TT & TF Layup.)

Finishing edge instructions: Finish as you would any composite by wet sanding using 220 grit and finish with 400 grit wet/dry sanding paper.

EXAMPLE LAYUP for TT and TF:

Example Layup TT:

- 80:20 Resin
- 1 layer of 1/2oz felt or 2 layers of Perlon or nylon
- 1 layer of NSP
- 2 layers of Nyglass or equivalent. Reinforce with carbon or NSP uni-tapes as needed
- 1 layer of NSP
- 2 layers of sheer nylon or equivalent

Example Layup TF:

- 80:20 Resin
- 1 layer of 1/2oz felt or 2 layers of Perlon or nylon
- 1 layer of NSP
- 2 layers of Nyglass or equivalent. Reinforce with carbon or NSP uni-tapes as needed
- 1 layer of NSP
- 2 layers of sheer nylon or equivalent

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