

4116 NSP 3D TAPE

Light, Durable & Strong



Fabrication Layup Suggestions



NSP 3D tape is unidirectional NSP fiber laminated with nonwoven NSP to provide built in stiffness. By combining fiber orientation with I-beam gap technology, NSP 3D tape provides optimum rigidity allowing for customization through fiber orientation of a socket or brace. Best results with Epoxy resin.

NSP 3D Tape characteristics:

- Is lighter and stronger than carbon tape
- NSP 3D Tape comes in 3" width
- Greatly enhances stiffness properties on NSP Braid
- Manufactured to have built-in I-Beam gap technology
- Best results when using Epoxy resin

P/N	Desc
4116-1.25	NSP 3D, 1in x 25ft
4116-3.25	NSP 3D, 3in x 25ft

EXAMPLE: AK layup – Single shot (Up to 100Kg) (Example layup)

- 2-3 layers Perlon (Sew end) (Can put Dacron Felt first layer if needed)
- Paralex Braid (tie off to socket adapter to be reflected down later)
- NSP Unidirectional Tape 0-90 (Anterior to Posterior, Medial to Lateral) and brim circumference (may need to split tape to veer around braid/stockinette)
- Nyglass
- Paralex Braid (sew up end and layup over socket adapter/or tie in if adapter needs to be tied in)
- Nylon hose, or Perlon (depending on cosmetic finish needs)
- (Note: Width of tape should be minimum 25 to 37mm.)

Environment:

Store at room temperature, and avoid extremely hot, cold, or moist storage environments Storage Temperature Range: between temperatures of -20°C to 80°C [-4°F and 176°F]

Do not store in wet or very hot environment.



These recipes are recommendations. This will help familiarize you with the characteristics of NSP Tape. The concept of equalized layers should be utilized when altering layup dependent on patient characteristics (weight/activity)

CE Conformity

This product meets the requirements Council EU 2017/1745 (MDR).

for medical products. This product has been classified as a class I product according to the classification criteria outlined in appendix IX of the guidelines. Please keep this manual in safe place for future use.

Useful Life

Service life of the product is covered by the warranty period.

Disposal

The device and its packaging must be disposed of in accordance with respective national/local environmental regulations.



4116 IFU REV E (5-1-25)