

NSP UNIDIRECTIONAL TAPE

Light, Durable & Strong

Fabrication Layup Instructions



NSP Unidirectional Tape characteristics:

- NSP Unidirectional Tape comes in 1" and 3" widths
- Greatly enhances stiffness properties on NSP Braid
- Best when separated by non-similar materials from NSP Braid (i.e. Nyglass, Perlon)
- Best results when

EXAMPLE: AK Layup – 2 stage lamination (Up to 100Kg)

1st lamination: (Will end up with 2 full length NSP braid layup)

- Perlon, or flexastretch (sew end) (Can put Dacron Felt first layer if needed for sanding for bony relief)
- NSP Braid (full length, tie to reflect remainder later)
- Nyglass
- NSP Unidirectional Tape 0-90 (Anterior to Posterior, Medial to Lateral) and brim circumference (may need to split tape to veer around braid/stockinette)
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- Reflect down 2nd layer of NSP Braid (full length)
- 2 scuffing layer for finish lamination
- (Note: Width of tape should be minimum 25 to 37mm.)

2nd lamination: (Final lamination total layup 3 full, and ½ length for both stages)

- NSP Braid (50% of length - tie to reflect remainder later)
- Nyglass
- Reflect NSP Braid (Full length)
- Nylon Hose (or outer finish material/design)

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)