

NSP / CSP Composite Fabrication Layup - Options



BK layup – Single shot (Up to 220 pounds)

Perlon, or flexastretch (sew end) (Can put Dacron Felt first layer if needed)

NSP Braid (tie to reflect remainder)

NSP Unidirectional Tape 0-90 and 3" for brim circumference (may need to split tape to veer around braid/stockinette)

Nyglass (tie to reflect remainder)

Nyglass

NSP Braid

Perlon or Nylon hose

BK Layup – 2 stage lamination (Up to 220 pounds)

1st lamination:

Perlon, or flexastretch (sew end) (Can put Dacron Felt first layer if needed)

NSP Braid (tie to reflect remainder)

Nyglass (tie to reflect remainder)

NSP Uni Tape 0-90 and 3" for brim circumference (may need to split tape to veer around braid/stockinette)

NSP Braid (**25% of length**)

Nyglass (scuffing layers for finish lamination)

Nyglass (scuffing layers for finish lamination)

2nd lamination:

NSP Braid (**50% of socket length** tie to reflect down)

Nyglass (tie to reflect down)

Nyglass

NSP Braid

Nylon Hose (or outer finish material/design)

BK layup – Single shot (Up to 375 pounds)

Perlon, or flexastretch (sew end) (Can put Dacron Felt first layer if needed)

NSP Unidirectional Tape 0-90 and brim circumference

NSP Braid (tie to reflect remainder)

NSP Braid (**75% of length**, tie to reflect remainder)

Nyglass (tie to reflect remainder)

NSP Unidirectional Tape 0-90 and 3" for brim circumference (may need to split tape to veer around braid/stockinette)

Nyglass

NSP Braid (**50% of length**)

NSP Braid

Perlon or Nylon hose

BK Layup – 2 stage lamination (Up to 375 pounds)

1st lamination:

Perlon, or flexastretch (Sew end) (Can put Dacron Felt first layer if needed)

NSP Braid (tie to reflect remainder)

Nyglass (tie to reflect remainder)

NSP Unidirectional Tape 0-90 and 3" for brim circumference (may need to split tape to veer around braid/stockinette)

NSP Braid (**Single layer 50%** of length)

NSP Braid

Nyglass (scuffing layers for finish lamination)

Nyglass (scuffing layers for finish lamination)

2nd lamination:

NSP Braid (tie to reflect down)

Nyglass (tie to reflect remainder)

NSP Braid (**75% of socket length** Single layer)

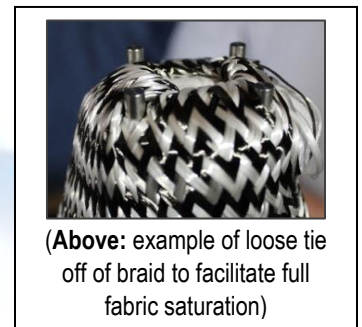
Nyglass

NSP Braid

Nylon Hose



(Above: Example of split tape to veer around braid/features)



(Above: example of loose tie off of braid to facilitate full fabric saturation)

NSP Unidirectional Tape 0-90



Available in 1" and 3" width

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

NSP / CSP Composite Fabrication Layup - Options



The concept for layups includes tying off and reflecting layers, not cutting to length if possible. We believe layers should be equalized for best results. (Each line represents 1 layer)

AK layup – Single shot (Up to 220 pounds)

Perlon (Sew end) (Can put Dacron Felt first layer if needed)
NSP Braid (tied off to be reflected back down)
Nyglass (tie to reflect remainder)
NSP Braid (**50% of length**)
Nyglass
NSP Braid
Nylon hose



(Above: Example of split tape to veer around braid/features)

AK Layup – 2 stage lamination (Up to 220 pounds)

1st lamination:

Perlon, or flexastretch (Can put Dacron Felt first layer if needed)
NSP Braid (tie to reflect remainder)
NSP Braid (**30% of length**)
Nyglass (scuffing layers for finish lamination)
Nyglass (scuffing layers for finish lamination)

2nd lamination:

NSP Braid **50% of socket length** (tie to reflect down)
Nyglass (tie to reflect remainder)
Nyglass
NSP Braid
Nylon Hose



(Above: example of loose tie off of braid to facilitate full fabric saturation)

AK layup – Single shot (Up to 375 pounds)

Perlon (Sew end) (Can put Dacron Felt first layer if needed)
NSP Braid (tied off to be reflected back down)
NSP Unidirectional Tape 0-90 and 3" for brim circumference (may need to split tape to veer around braid/stockinette)
Nyglass (tie to reflect remainder)
NSP Braid (**80% of length**, tie to reflect remainder)
NSP Braid (**50% of length**)
Nyglass
NSP Braid
Nylon hose

NSP Unidirectional Tape 0-90



Available in 1" and 3" width

AK Layup – 2 stage lamination (Up to 375 pounds)

1st lamination:

Perlon, or flexastretch (Can put Dacron Felt first layer if needed)
NSP Braid (tie to reflect remainder)
Nyglass (tie to reflect remainder)
NSP Unidirectional Tape 0-90 and 3" for brim circumference (if needed) (may need to split tape to veer around braid/stockinette)
NSP Braid (**Single layer 30%** of length)
NSP Braid
Nyglass (scuffing layers for finish lamination)
Nyglass (scuffing layers for finish lamination)

2nd lamination:

NSP Braid **75% of socket length** (tie to reflect down)
Nyglass (tie to reflect remainder)
NSP Braid (**50% of socket length** Single layer)
Nyglass
NSP Braid
Nylon Hose

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