

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)



BK layup –Single shot (Up to 220 pounds)

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

NSP Braid (tie to socket adapter to reflect remainder)

Nyglass (tie to socket adapter to reflect remainder)

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

Nyglass

NSP Braid

Perlon or Nylon hose

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

1st lamination: (Will end up with 1 full and ¼ length NSP braid layup)

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

NSP Braid (tie to reflect remainder later)

Nyglass (tie to reflect remainder later)

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

Reflect down NSP Braid (25% of length)

Reflect down Nyglass (scuffing layer for finish lamination)

Nyglass (scuffing layer for finish lamination – if needed)

2nd lamination: (Final lamination total layup 2 full, ½ and ¼ length

NSP braid layup inclusive of 1st lamination)

NSP Braid (50% of length - tie to reflect remainder later)

Nyglass

Reflect NSP Braid

Nylon Hose (or outer finish material/design)

BK layup –Single shot (Up to 375 pounds)

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

NSP Braid (tie to socket adapter to reflect remainder after nyglass)

Nyglass (tie to socket adapter)

Reflect NSP Braid (25% of length)

Nyglass

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

Nyglass

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

Reflect NSP Braid

Perlon or Nylon hose

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

1st lamination:

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

NSP Braid (tie to reflect remainder later)

Nyglass (tie to reflect remainder later)

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

Reflect NSP Braid (Single layer 50% of length)

Nyglass (scuffing layers for finish lamination)

Nyglass (scuffing layers for finish lamination)

2nd lamination:

NSP Braid (tie to reflect remainder later)

Nyglass

NSP Braid

Nylon Hose

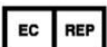


(Above: Example of split tape to veer around braid/features)



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

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)



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The concept for layups includes tying off and reflecting layers, not cutting to length if possible.

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AK layup –Single shot (Up to 220 pounds)

Perlon (Sew end) (Can put Dacron Felt first layer if needed)
NSP Braid (tie off to socket adapter to be reflected down later) Nyglass (tie off to socket adapter to be reflected down later)
NSP Tape for struts and brim
Reflect Nyglass
Reflect NSP Braid (50% of length)
Nyglass (to socket adapter)
NSP Braid (to socket adapter) Nylon hose

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 later) Nyglass (tie to reflect remainder later)
NSP Unidirectional Tape 0-90 and brim circumference Reflect Nyglass
reflect 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 later) Nyglass
NSP Braid
Nylon Hose

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 later)
Nyglass (tie to reflect remainder)
NSP Unidirectional Tape 0-90 and brim circumference (may need to split tape to veer around braid/stockinette)
Reflect Nyglass
NSP Braid (80% of length, tie to reflect remainder)
Nyglass
Reflect NSP Braid
Nylon hose

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 later) Nyglass (tie to reflect remainder later)
NSP Unidirectional Tape 0-90 and brim circumference (if needed) (may need to split tape to veer around braid/stockinette)
Reflect Nyglass
Reflect NSP Braid (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) Reflect NSP Braid
Nylon Hose

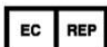


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