

## POLY-FIBER AIRCRAFT COVERING PROCESS (FORMERLY STITS PROCESS)



Combines the durable, versatile characteristics of custom woven polyester fabric with a durable, flexible, non-combustible coating system.

- Custom woven aircraft fabric
- Will not support combustion
- Will not peel in normal service
- FAA-STC approved methods and materials
- Quality control FAA-PMA production
- Will not develop excessive tension
- All popular aircraft colors available
- Fast installation time

### POLY-FIBER POLYESTER FABRIC

**Light Uncertified** - Specially designed fabric for light aircrafts with wing load under 9 lbs. per square foot.  
Approx. 70" Width

**1-LIGHTU per YARD**

**Medium** - Heavier and stronger fabric styles for normal service on aircraft with a wing loading 9 lbs. per square foot and over.

Approx. 71 / 72" Width

**P103-72 per YARD**

**Heavy-Duty** - For more rigorous operations such as aerobatics, agricultural, bush aircraft, and former military aircraft.

Approx. 70" Width

**P99-70 per YARD**

### POLYESTER RIB LACE REINFORCING TAPE

A custom woven high-strength polyester filament twill tape with a paper-protected high-tack adhesive coating on one side for quick application and bonding during the rib lacing procedure. (Patent pending) Available in 1/4", 3/8", and 1/2" widths. Where additional width is required on wide ribs, two or more tapes may be positioned side by side.

PART#	LENGTH
1/2 REINFORCING	60YD ROLL
1/4 REINFORCING	60YD ROLL
3/8 REINFORCING	60YD ROLL

### POLY-FIBER POLYESTER FINISHING TAPES

Available in Light and Medium. All styles of linear and bias finishing tapes may be used interchangeably on any fabric style.

#### Light Linear Cut

PART#	LENGTH
P106-1F	25 YD ROLL
P106-1.5F	25 YD ROLL
P106-2F	50 YD ROLL
P106-3F	25 YD ROLL
P106-4F	25 YD ROLL
P106-6F	25 YD ROLL

#### Medium Linear Cut

PART#	LENGTH
P103-1F	25 YD ROLL
P103-1.5F	25 YD ROLL
P103-2F	50 YD ROLL
P103-3F	25 YD ROLL
P103-4F	25 YD ROLL
P103-6F	25 YD ROLL

### BIAS CUT TAPES

Bias tapes (weave pattern 45° to the edge) are suggested for installation over compound surfaces such as around wingtips and tail surfaces. Bias tape will stretch to conform to the required contour without heat shrinking edges or cutting and notching to remove excess fabric. Stretching reduces the width about 35%.

PART#	LENGTH
P110-2B	25 YD ROLL
P110-3B	25 YD ROLL
P110-4B	25 YD ROLL

### POLYESTER RIB LACING CORD

Two styles of lacing cord are available, both impregnated with micro-crystalline fungicidal wax

- **Standard round** 4 ply, .035" dia., 60 lbs. tensile strength.2

**RIB LACING THRD**  
per 500YD ROLL

- **Flat braided cord**, .012" thick x approximately .080" width, 50 lbs. tensile strength. Recommended when the minimum rib cord protrusion is desired.

**RIB LACING FLAT**  
per 500 YD ROLL

### POLYESTER MACHINE SEWING THREAD

10 lbs. tensile strength, 4 ply thread.

**MACHINE THREAD**  
per 500 YD ROLL

### POLYESTER HAND SEWING THREAD

15 lbs. Tensile strength, 3 ply uncoated thread.

**HAND SEWING**  
per 250YD ROLL

### INTER-RIB BRACING TAPE

Used to brace ribs before covering. This bracing keeps the ribs straight up and down when the fabric is heat tightened over them. It is nothing more than twill tape to provide stability for the ribs while covering. This bracing is not removed. Comes 1/2" wide.

**1/2INTERRIB**  
per 36 YD ROLL