

## The Most Durable Nylon in The World

Global Challenge selected Challenge Nylon over all competitors for superior consistency, modulus, tear strength, and burst strength. After 30,000 miles, the fabrics have proven the choice was right.

### FABRIC PROPERTIES

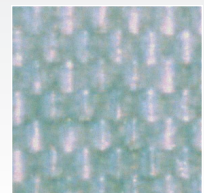
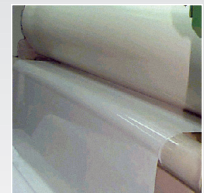
- Fibermax has been proven “The most durable nylon in the world” by its selection by Global Challenge, Volvo, Clipper Cup, The Race and many more.
- Fibermax Nylon has tight constructions with excellent finish durability.
- Challenge Stabilized Finish adds virtually no weight. Coatings add 0.1 – 0.2 oz of weight to a fabric.
- As a result, Fibermax has the maximum number of fibers for a given weight, and the most dense construction.
- Fabric names are the approximate weights in g/m<sup>2</sup>.
- Challenge invented the first 3.4 oz, 210 denier “Volvo” Mega-Fabric. We have since introduced a 420 denier fabric, Fibermax 184. Both are used extensively by Volvo winners and participants.

### Stabilized Nylon Finishes Explained

The fabric is dipped through a solution of dissolved resin. The resin is then cured at high temperature. Very small resin particles are embedded in the weave, restricting its stretch. The resin weight add-on is so slight, it's nearly undetectable.

### THE RESULT:

- Full resin impregnation means better durability.
- Porosity is slightly higher than coated fabrics – no film on the surface.
- No coating means more fibers can be woven for the same weight – higher strength, lower stretch (depending upon firmness.)



WIDTH	PART	WT OZ/SM	WT G/M <sup>2</sup>
60" / 1.50m	NFS44	0.75 oz	44 g/m <sup>2</sup>
60" / 1.50m	NFS64	1.50 oz	64 g/m <sup>2</sup>
60" / 1.50m	NFS94	2.20 oz	94 g/m <sup>2</sup>
60" / 1.50m	NFS144	3.40 oz	144 g/m <sup>2</sup>
60" / 1.50m	NFS184	4.40 oz	184 g/m <sup>2</sup>

High-Tech  
Woven  
Sailcloth