



Marblehead

Super Premium Fiber 104 - Highest Tenacity Woven Sailcloth

Challenge Sailcloth's Super Premium fabrics are the highest yarn count, most densely woven sailcloth styles. The product line begins with Marblehead weaves. Both Low Aspect and High Aspect Marblehead constructions are made with Fiber 104, the very best polyester sailcloth yarn, in both the warp and fill directions of the cloth. Fiber 104 has Super Tenacity properties.

Marblehead Weaves & Fiber 104 are woven with Power-Shrinkage technology. The yarns and fibers achieve their maximum shrinkage during processing, which means that the fibers are in their natural physical state before they are sewn into a sail and hoisted up the mast. The maximum shrinkage allows the yarns to be woven together more times per yard than any other fabric. This process is called Interlocking™. The fibers Interlock™ more times than other fabrics, resulting in a great mechanical advantage in sailcloth. The result is excellent bias stretch resistance, stability and durability.

Marblehead Weaves use Fiber 104 in both the warp and fill direction of the construction.

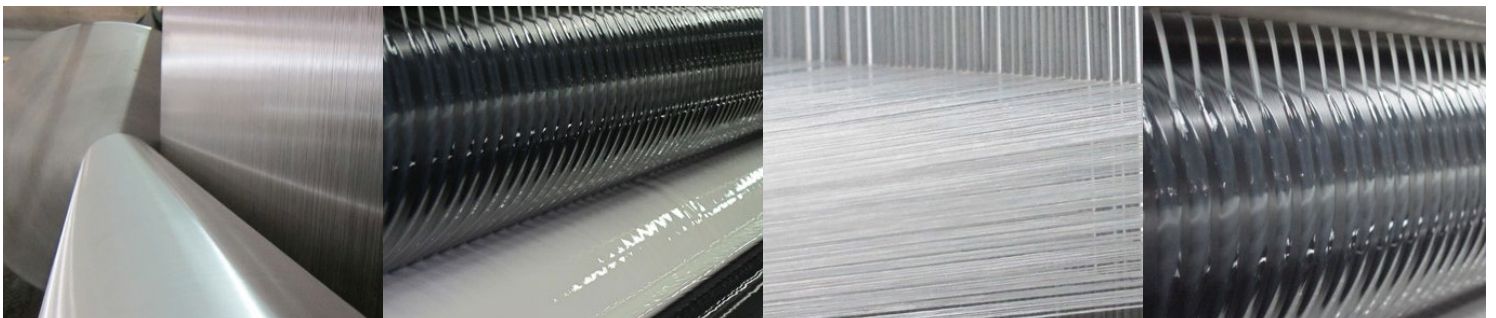
Fiber 104 is the highest shrinkage polyester yarn used in sailcloth. The Challenge R&D engineering team conducted a collaborative search with leading fiber manufacturers and textile engineers. The purpose of the search was to find the highest shrinkage, highest tenacity yarn. The search resulted in Fiber 104. The high shrinkage makes the highest yarn count, most densely woven fabrics, with the greatest quantity of fiber interlockings. It is much more expensive than the other fibers used in Europe and the United states, and is exclusive to Challenge Sailcloth.

The Maltese Falcon

The Maltese Falcon is a flagship of Marblehead. One of the largest and most quality conscious yachts of all time, the Maltese Falcon has gone around the world with Challenge Marblehead Weaves. The engineers trusted the super premium constructions of Fiber104 to hold shape and last, and appear optically fantastic.



Engineered for Quality



High Aspect - Marblehead Weave Cloth Specifications

(Formerly High Aspect 104)

4.6 MARBLEHEAD	5.6 MARBLEHEAD	6.42 MARBLEHEAD	6.62 MARBLEHEAD
7.62 MARBLEHEAD	8.62 MARBLEHEAD	9.62 MARBLEHEAD	10.62 MARBLEHEAD
11.62 MARBLEHEAD	12.62 MARBLEHEAD	14.2 MARBLEHEAD	

Low Aspect - Marblehead Weave Cloth Specifications

4.77 MARBLEHEAD	5.77 MARBLEHEAD	6.77 MARBLEHEAD	7.77 MARBLEHEAD
8.77 MARBLEHEAD	9.77 MARBLEHEAD	10.77 MARBLEHEAD	11.77 MARBLEHEAD
14.77 MARBLEHEAD			





Designed by Sailor-Engineers. Powered by Challenge Sailcloth.

2016 Challenge Sailcloth, Inc.