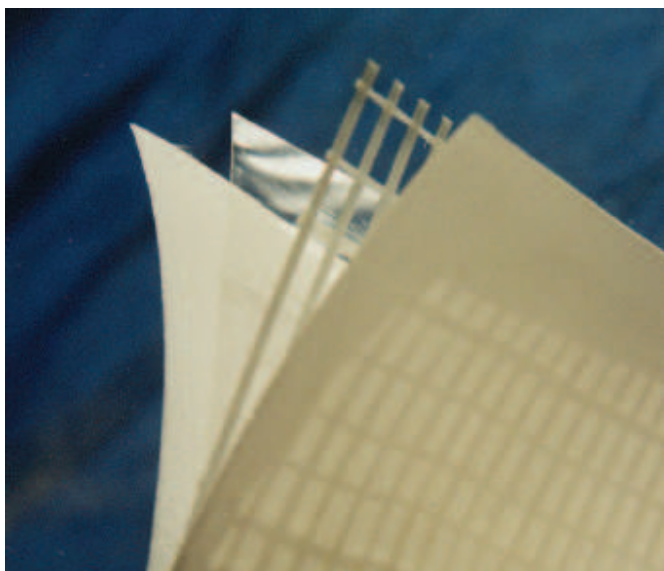




# PC50 Polyester Cruising Laminate



Challenge Sailcloth is pleased to announce its line of PET polyester cruising laminates. Consisting of layers of fabric / film / scrim / fabric, these fabrics are designed for the sailor who wants the performance of a laminate with the feel and look of a woven.

## Fiber / Construction

- PC50 has a scrim construction of 6 x 5 (warp x fill) yarns per inch of 1000 x 500 denier PET polyester.
- The scrim is a laid-up, non-woven matrix, made by a precise machine which inserts yarns with no crimp, so yarn masses efficiently resist stretch.
- There is a total of one mil of PET polyester film.
- Sandwiching the film and scrim is a light weight, low crimp PET polyester taffeta on both sides.
- The weight is 5.2 Oz. per S.M. yard. (28.5" x 36")

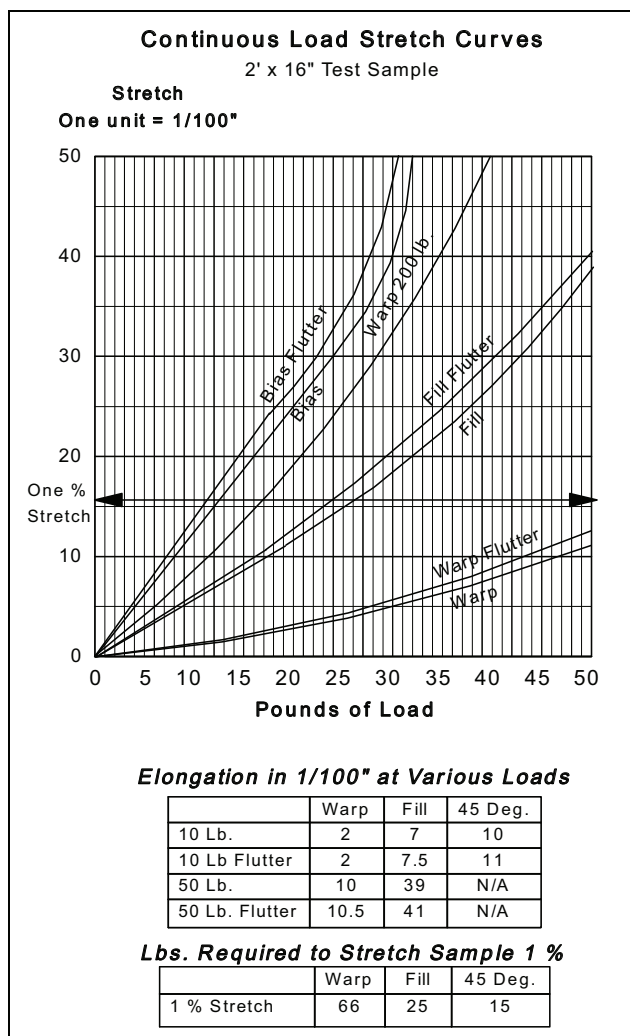
## Lamination

- All laminates are tested for adhesion on Challenge's state of the art impact flutter machine. Test samples of 0, 90, and 45 degree directions are smashed at high force onto a platform. After almost 1000 repetitions,

the abuse is so severe that laminates with anything but superb adhesion fly apart. Other tests include: wicking, soaking, action-cycled washing, tear, breaking, and abrasion.

## Applications

- Radial mainsails and jibs on boats up to 26 feet.
- Light # '1's on boats to 36', # 2 genoas on up to 31' boats.



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