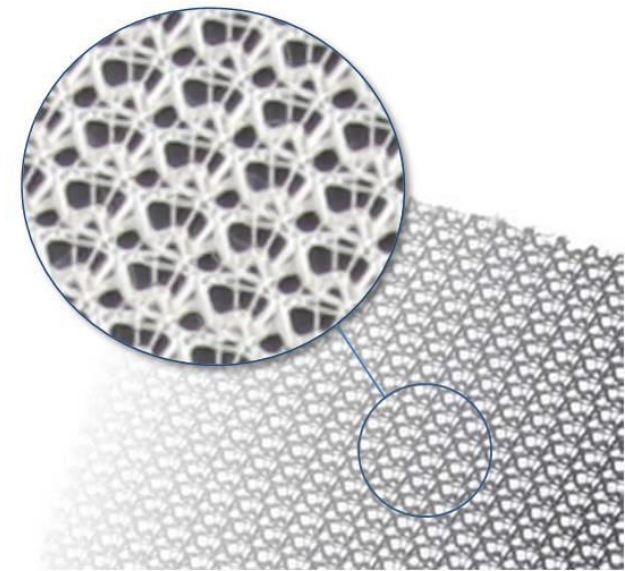


THE MATRIX

- The matrix is warpknitted, ie knitted with interlocking knits that prevents ravelling
- Fiber 1 locks the matrix in a stable state for a two week period following implantation, known as the *acute wound healing phase*
- When fiber 1 degrades, the matrix changes its mechanical properties
 - This behavior is designed for a gradual transfer of bodily loads from the matrix, to the new tissue that is produced and growing into the matrix.
- Fiber 2 is mechanically stable for over 6 months
- Fiber 2 will remain in the body for 3 years



THE FIBERS

Fiber 1

40% of the total weight

10 filaments per fiber

145 denier*

Made of *polyglycolide*, *polylactide* and *trimethylene carbonate*

Fiber 2

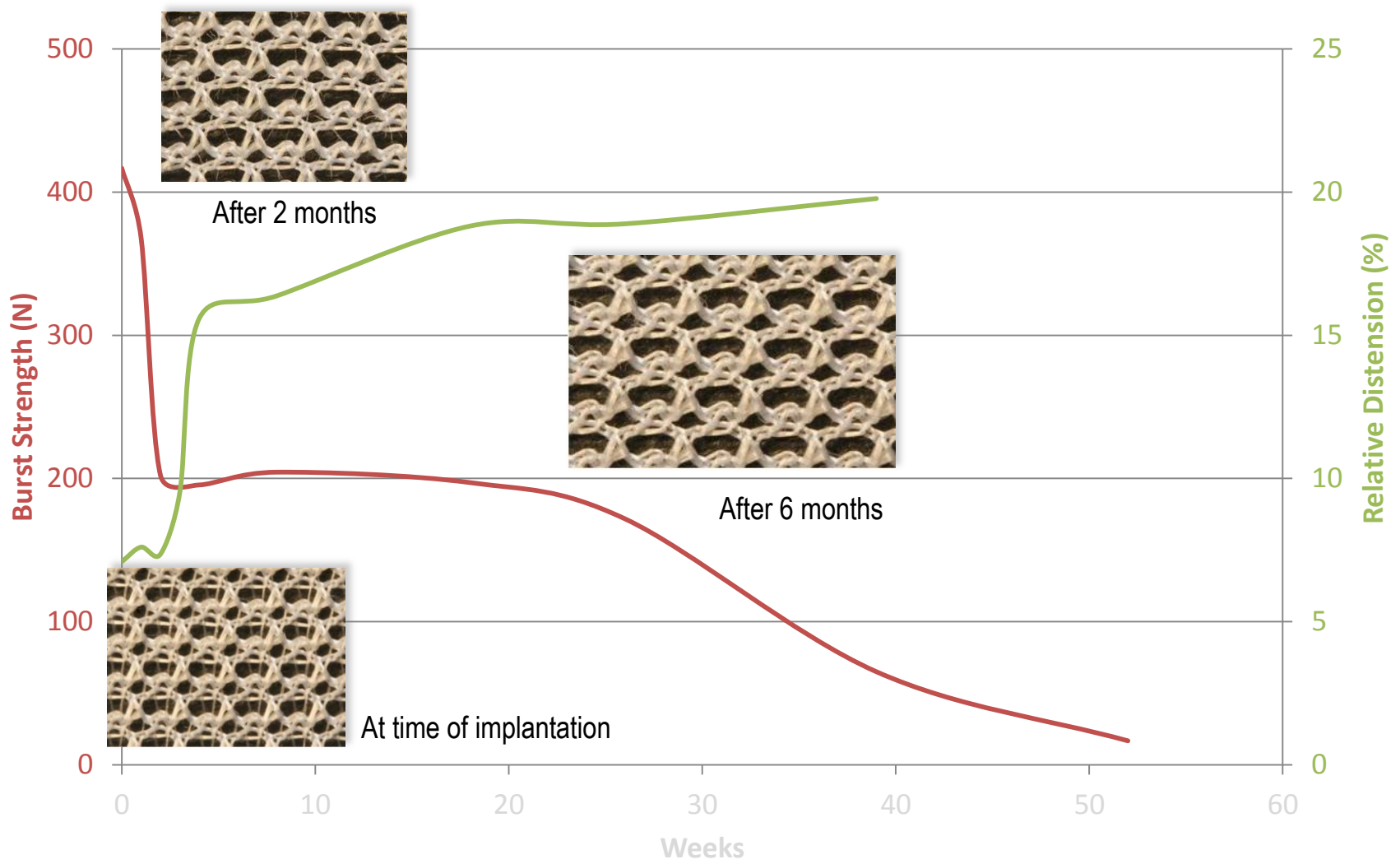
60% of the total weight

43 filaments per fiber

85 denier*

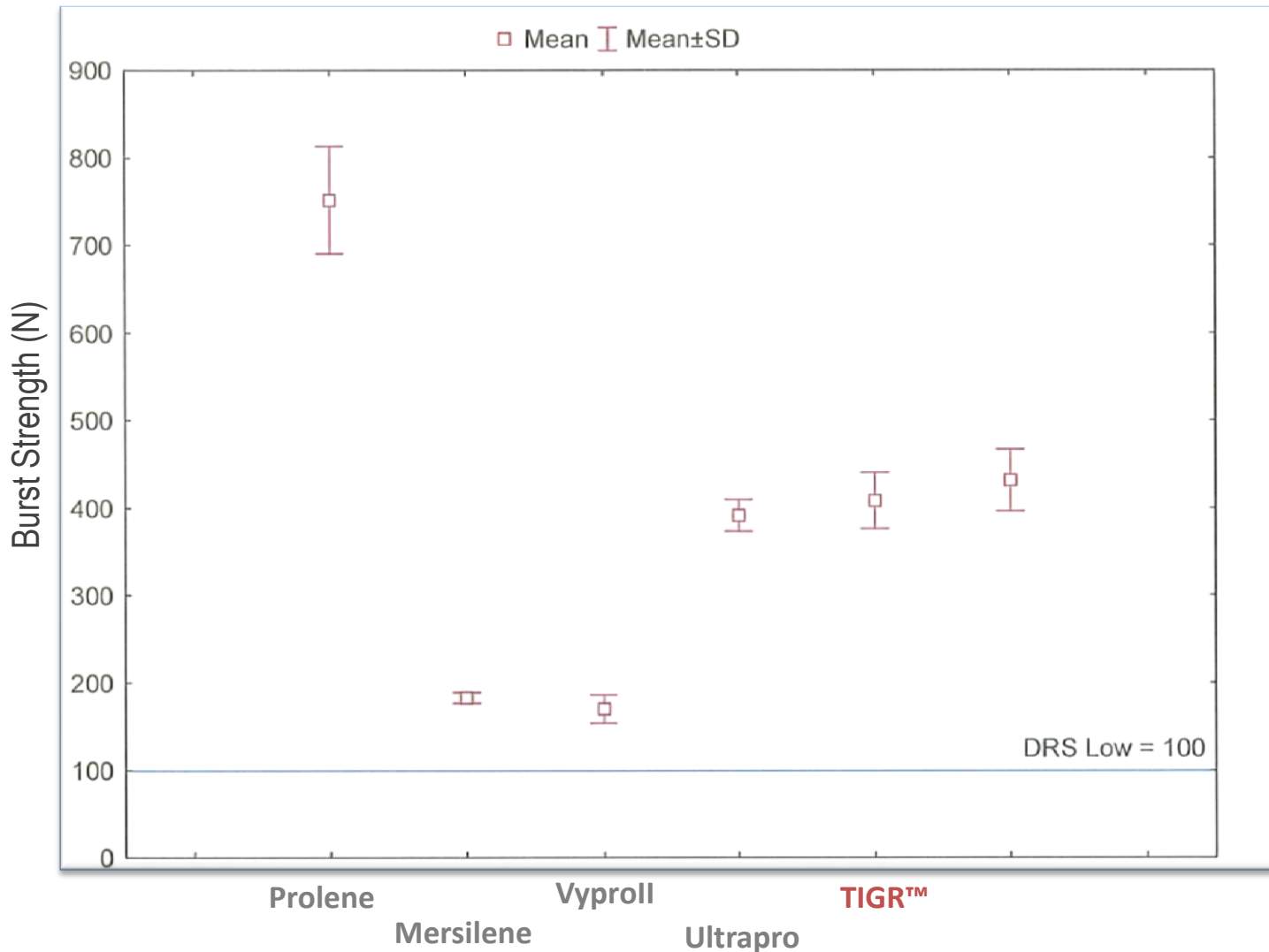
Made of *polylactide* and
trimethylene carbonate

STRENGTH / DEGRADATION



STRENGTH COMPARISON

At time of implantation



FACTS AND FIGURES

Burst strength before implanatation: 400N

Burst strength after 2 months: 200N

6 months: 170N

Area Weight before implantation: 135g/m²

Max pore size at time of implantation: 1.1mm (35% porosity)

Thickness: 0.55mm

Suture retention strength: 40N