Laminating materials

Carbon Fibre Braid
Our carbon fibre braid range uses two types of carbon fibre size; 6K and 12K. The 6K braid is made utilising 6,000 filaments of carbon fibre per yarn, whereas 12K uses 12,000 filaments.

The practical difference between these two types of carbon fibre is that 6K carbon braid is lighter in weight per linear metre, and the smaller yarn size allows for a tighter weave, producing a prosthetic socket with a thinner wall section. The 12K braid has bulkier yarn which makes it heavier in weight per linear metre, and does not allow for such a tight weave as the 6K, and the resulting prosthetic sockets have a thicker wall section than the 6K.

Glass Fibre Braid
Offers the most cost effective option for laminated prosthetic sockets. The fibres are heavier in weight and bulkier than carbon, and do not offer the overall strength/stiffness of carbon. Typically glass fibre braids will produce a heavier more bulky socket than carbon fibre.

Carbon/Glass Fibre Braid
Our carbon/glass fibre braid is a 50/50 mix of 6K carbon fibre and glass fibre.

Braids are available in three Above Knee (AK) sizes, and two sizes for Below-Knee (BK) prosthetic sockets.

Carbon Fibre Matting
Our matting has 3,000 filaments per yarn and is available in 1000mm width and lengths of up to 50m.

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