

**FORMAX STYLE:** [C12K, 800, 0/-45/90/+45]  
**FORMAX CODE:** FCIM144

**REINFORCING FIBRE SPECIFICATION**

**FIBRE TYPES:** 12K CARBON  
**CALCULATED AREAL WEIGHT:** 785 GSM (±5%)  
**SIZE COMPATABILITY:** EPOXY / VINYLESTER  
**FIBRE SPECIFICATIONS:** HIGH STRENGTH CARBON  
**WIDTH:** 1270MM (±5MM)

**STITCHING FIBRE SPECIFICATION**

**STITCHING THREAD:** 78DTEX TEXTURISED POLYESTER  
**STITCHING GAUGE:** 6 GG  
**STITCH LENGTH:** 2.5 MM  
**STITCH TYPE:** PILLAR-TRICOT  
**STITCH WEIGHT:** 7 GSM

**PLY CONSTRUCTION**

**0° PLY**

**FIBRE SPECIFICATION** 12K HIGH STRENGTH CARBON  
**FIBRE TEX:** 800TEX  
**GAUGE:** 6 GG  
**PLY WEIGHT** 189 GSM

**-45° PLY**

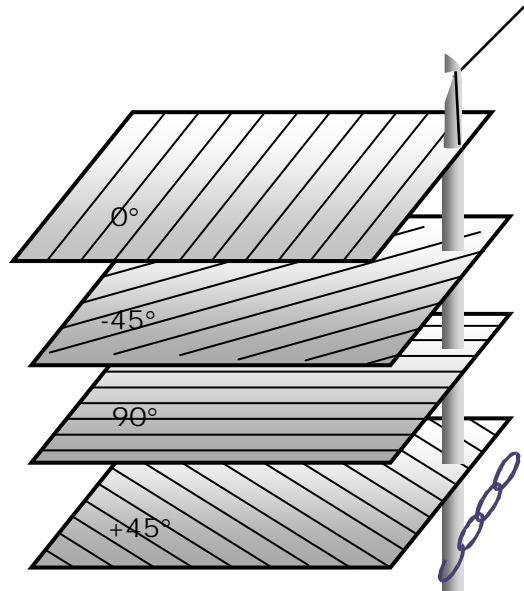
**FIBRE SPECIFICATION** 12K HIGH STRENGTH CARBON  
**FIBRE TEX** 800TEX  
**GAUGE:** 4.5 GG  
**PLY WEIGHT** 200 GSM

**90° PLY**

**FIBRE SPECIFICATION** 12K HIGH STRENGTH CARBON  
**FIBRE TEX** 800TEX  
**GAUGE:** 6 GG  
**PLY WEIGHT** 189 GSM

**+45° PLY**

**FIBRE SPECIFICATION** 12K HIGH STRENGTH CARBON  
**FIBRE TEX** 800TEX  
**GAUGE:** 4.5 GG  
**PLY WEIGHT** 200 GSM



MATERIAL PROPERTIES	0° DIRECTION	-45° DIRECTION	90° DIRECTION	+45° DIRECTION
FIBRE CONTENT (%)				
FLEXURAL STRENGTH (N/MM <sup>2</sup> )				
FLEXURAL MODULUS (KN/MM <sup>2</sup> )				
TENSILE STRENGTH (N/MM <sup>2</sup> )				

This information is for design evaluation only. While it is believed to be correct, it is not guaranteed in any way. Formax stresses that it is the user that shall determine the suitability of a product for its end-use, and the user that assumes all liability in connection therewith.