

# Reinforcements NCF E-Glass / Quadraaxial 0°+45°/ 90°/- 45°

Non-Crimp Fabrics (NCF) can be used in a variety of applications in the automotive, aerospace, construction, corrosive, industrial and marine industries. NCF is a composite reinforcing fabric in which fibres are organised into layers of plies of variable weight and orientation. The layers are stitched together. The result is a range of engineered fabrics with predictable, repeatable properties for the composite industry.

Quadraaxial Non-Crimp Fabrics provide excellent longitudinal, transverse, and shear strength. Providing a good thickness build-up per layer, Quadraaxials are ideal for added strength with less layers.

The quadraaxial product is suitable for hand lay-up, vacuum bagging and resin infusion providing excellent wet-out on medium to large projects.

## FABRIC SPECIFICATIONS

QK0600 - 600 gm Quadraaxial E-Glass					
Layer Orientation	degrees (°)	0	+45	90	-45
Layer Weight	(gm/m <sup>2</sup> )	157	162	132	162
Material		E-Glass	E-Glass	E-Glass	E-Glass

Weight, knitting yarn (gm/m <sup>2</sup> )	10
Material	PES
Total weight (gm/m <sup>2</sup> )	623±5%
Standard roll width (mm)	1270

QK0850 - 850 gm Quadraaxial E-Glass					
Layer Orientation	degrees (°)	0	+45	90	-45
Layer Weight	(gm/m <sup>2</sup> )	212	212	212	212
Material		E-Glass	E-Glass	E-Glass	E-Glass

Weight, knitting yarn (gm/m <sup>2</sup> )	8
Material	PES
Total weight (gm/m <sup>2</sup> )	856±5%
Standard roll width (mm)	1270

QK1000 - 1000 gm Quadraaxial E-Glass					
Layer Orientation	degrees (°)	0	+45	90	-45
Layer Weight	(gm/m <sup>2</sup> )	236	275	229	275
Material		E-Glass	E-Glass	E-Glass	E-Glass

Weight, knitting yarn (gm/m <sup>2</sup> )	10
Material	PES
Total weight (gm/m <sup>2</sup> )	1025±5%
Standard roll width (mm)	1270

QK1200 - 1200 gm Quadraaxial E-Glass					
Layer Orientation	degrees (°)	0	+45	90	-45
Layer Weight	(gm/m <sup>2</sup> )	295	300	300	300
Material		E-Glass	E-Glass	E-Glass	E-Glass

Weight, knitting yarn (gm/m <sup>2</sup> )	10
Material	PES
Total weight (gm/m <sup>2</sup> )	1205±5%
Standard roll width (mm)	1270

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Order Code	Description	Roll Width	Roll Length
QK0600	600 gm Quadraxial E/Glass	1.27 m	50.6 Lm
QK0850	850 gm Quadraxial E/Glass	1.27 m	36.8 Lm
QK1000	1000 gm Quadraxial E/Glass	1.27 m	30.8 Lm
QK1200	1200 gm Quadraxial E/Glass	1.27 m	26.1 Lm

## STORAGE

NCF Reinforcements should be stored on packaging roll, and kept dry and clean.

NOTE Our products are intended for sale to industrial and commercial customers. We request that customers inspect and test our products before use and satisfy themselves as to contents and suitability. Nothing herein shall constitute a warranty, express or implied, including any warranty or merchantability or fitness, nor is protection from law or patent to be inferred. All patent rights are reserved. The exclusive remedy for all proven claims is replacement of our materials and in no event shall we be liable for special or consequential damages. 24/09/13



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