

## TECHNICAL DATA SHEET

### 92146-FK144 (045)

Aerospace textile glass: 92146-FK144. Medium weight, warp biased plain weave glass fibre fabric treated with FK144 finish.

FK144. A multifunctional finish which has a high-performance silane cross-linking adhesion promoter combined with the softening and anti-static benefits of Volan. Good performance over a wide range of resin systems and applications. Effective with a variety of thermosetting resin systems such as phenolic, epoxy, polyester and vinyl ester.

The combination of warp biased plain weave and soft, multifunctional finish make this a product suited to applications where unidirectional strength and good fabric manageability are required.

### Technical data:

Base Fabric		Tolerance	Test Methods
Yarn	Warp Weft	EC9 – 136 X 5 EC9 – 68	DIN EN 12654
Thread Count	Warp Weft	5.5 per 1 cm 6.3 per 1 cm	± 5% DIN EN 1049
Weight		430 g/m <sup>2</sup>	± 5% DIN EN 12127
Weave		Plain	DIN ISO 9354
Finished Fabric			
Specification		WL 8.4525	
Coating		Silane/Volan finish after heat cleaning	
Weight		425 g/m <sup>2</sup>	± 5% DIN EN 12127
Thickness (typical)		0.45 mm	± 10% DIN ISO 4603/E
Tensile Strength (typical)	Warp Weft	960 N/cm 140 N/cm	DIN ISO 4606
Organic content (typical)		<0.3%	ISO 1887

**Important** - Information on the above characteristics is based upon tests we believe to be reliable. The values given are typical values that vary according to application conditions. The values are intended only as a source of information and are given without guarantee and do not constitute a warranty. It should be noted that the substrate test materials are generic and actual results may vary from those given above. Purchasers should independently determine prior to use the suitability of this material for their specific purposes.