

TECHNICAL DATA SHEET

92145-FK144 (045)

Aerospace textile glass: 92145-FK144. Light 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 makes this a product suited to applications where unidirectional strength and good fabric manageability are required.

Technical data:

Base Fabric			Tolerance	Test Methods
Yarn	Warp	EC9 – 68 x 5		DIN EN 12654
	Weft	EC7 - 22		
Thread Count	Warp	6.0 per 1 cm	± 5%	DIN EN 1049
	Weft	7.0 per 1 cm		
Weight		223 g/m ²	± 5%	DIN EN 12127
Weave		Plain weave		DIN ISO 9354
Finished Fabric				
Specification		WL 8.4520		
Treatment		Silane/Volan finish after heat cleaning		
Weight		220 g/m ²	± 5%	DIN EN 12127
Thickness (typical)		0.25 mm	± 10%	DIN ISO 4603/E
Tensile Strength (typical)	Warp	640 N/cm		DIN ISO 4606
	Weft	60 N/cm		
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.