

TECHNICAL DATASHEET: 91111- FK144 (045)

Description

Aerospace textile glass: 91111- FK144. Light weight satin weave glass fibre fabric made from plied yarns, 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 satin weave and softness makes this product suitable for work where fabric is required to mould to small radii and compound curvatures providing a smooth surface finish.

Technical Data

Base Fabric			Tolerance	Test Methods
Yarn	Warp Weft	EC5 -11 x 2 EC5 -11 x 2		DIN 60850
Thread Count	Warp Weft	23.7 per 1 cm 22.5 per 1 cm	± 5%	DIN 53853
Weight		106 g/m ²	± 5%	DIN 53854
Weave		4 shaft satin (1/3 broken twill)		ISO 9354

Finished Fabric

Specification		WL 8.4544		
Treatment		Silane/Volan finish after heat cleaning		
Weight (production average)		105 g/m ²	± 5%	DIN 53854
Thickness (typical)		0.14 mm	± 10%	ISO 4603/E
Tensile Strength (typical)	Warp Weft	200 N/cm 170 N/cm		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. All Valmiera Glass materials described herein are sold subject to the Valmiera Glass conditions of sale, a copy of which is available on request.