

## TECHNICAL DATASHEET: 92110- FK144 (045)

### Description

Aerospace textile glass: 92110-FK144. Light weight twill 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 flexible twill weave and soft, multifunctional finish makes this a product suited to both large and small scale hand-layup work where good fabric manageability is required.

### Technical Data

Base Fabric		Tolerance		Test Methods
Yarn	Warp Weft	EC9 -68 EC9 -68		DIN 60850
Thread Count	Warp Weft	12.0 per 1 cm 11.5 per 1 cm	± 5%	DIN 5853
Weight		165 g/m <sup>2</sup>	± 5%	DIN 53854
Weave		2 x 2 Twill		ISO 9354

### Finished Fabric

Specification		WL 8.4548		
Treatment		Silane/Volan finish after heat cleaning		
Weight (production average)		163 g/m <sup>2</sup>	± 5%	DIN 53854
Thickness (typical)		0.2 mm	± 10%	ISO 4603/E
Tensile Strength (typical)	Warp Weft	190 180	N/cm 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.