



# Cristex Composite Materials

Product: **E 105 4HS**

**Description:**

91111-FK144 is a light weight satin weave glass fibre fabric, made from piled yarns, treated with FK144. FK144 is a multifunctional finish designed to give a softer handle for hand layup fabrication. FK144 is compatible for most Polyester, Epoxy and Vinylester Resin Systems. This glass finish combination is particularly suitable for tight radius fabrication and compound curves.

**Technical Data:**

Base Fabric			Tolerance	Test Method
Yarn	Warp Weft	EC5 – 11 x 2 EC5 – 11 x 2	± 5%	DIN EN 12654
Thread Count	Warp Weft	23.7 per 1cm 22.5 per 1cm	± 5%	DIN EN 1049
Tensile Strength (TYPICAL)	Warp Weft	300 N/cm 250 N/cm		DIN EN 12654
Weight		106 g/m <sup>2</sup>	± 5%	DIN EN 12127
Weave		A shaft satin or 1/3 cross twill		DIN ISO 9354

**Coating:** Silane/Volan treated after heat cleaning

Finish Fabric				
Weight		104 g/m <sup>2</sup>	± 5%	DIN EN 12127
Thickness (TYPICAL)		0.14 mm		DIN ISO 4603/E
Tensile Strength (TYPICAL)	Warp Weft	125 n/cm 100 n/cm		DIN ISO 4606
Organic Content (TYPICAL)		< 1%		

Note: Technical information furnished is based on laboratory findings and believed to be correct. No warranties of any kind are made except that the materials supplied are of standard quality. All risk and liabilities arising from handling, storage and use of products, as well as compliance with applicable legal restrictions, rests with the user