

## GLASS FILAMENT FABRICS for PLASTICS REINFORCEMENT PRODUCT SPECIFICATION

			Specification	
<b>Style Number</b>	<b>91111</b>			MIL-Y-1140H
<b>US Style</b>	120	III		MIL-C-9084
<b>WLB No.</b>	8.4544.60			DIN 65066
<b>British Standard</b>	S 13 / 11			BS 3396
<b>Finish/Designation</b>				
		FK144		
		Unit	Tolerance Specification	
<b>Weave pattern</b>		four shaft satin		DIN ISO 9354
Area weight	g / m <sup>2</sup>	105,0	± 5%	DIN EN 12127
<b>Yarn</b>	tex			DIN EN 12654
warp yarn		EC5-11x2		
weft yarn		EC5-11x2		
<b>Fibre count</b>	1 / cm			DIN EN 1049
warp ends		23,7	± 5%	
weft picks		22,5	± 5%	
<b>Temperature resistance 1)</b>				
Continuous load	°C	260		
Short time resistance	°C	600		
<b>Moisture content</b>	%	< 0,2	± 1%	DIN EN 3616
<b>Finish content</b>	%	0,08 - 0,28	± 5%	DIN ISO 1887
				DIN EN 60
<b>Thickness (approx. dry)</b>	mm	0,14	± 5%	DIN ISO 4603/E
in laminate (43% Vol.)	mm	0,10	± 5%	

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	Unit	Standard	CS-ITG	Tolerance	Specification
<b>Style Number</b>		<b>91111</b>		<b>/ FK144</b>	
<b>Tensile strength</b>					DIN EN 2747
warp	MPa	335		± 10%	
weft	MPa	320		± 10%	
<b>Young's-Modulus</b>					
warp	GPa	19		± 10%	
weft	GPa	18		± 10%	
<b>Compression strength</b>					DIN 53454
warp	MPa	355		± 10%	DIN 65380
weft	MPa	340		± 10%	DIN prEN 2580
<b>Compression-Modulus</b>					
warp	GPa			± 10%	
weft	GPa			± 10%	
<b>Interlaminar shear strength</b>					DIN EN 2377
warp	MPa	50		± 10%	
weft	MPa	45		± 10%	
<b>Flexural strength</b>					DIN EN 2746
warp	MPa	495		± 10%	
weft	MPa	460		± 10%	
<b>Flexural-Modulus</b>					
warp	GPa	24		± 10%	
weft	GPa	24		± 10%	
<b>Remarks</b>	1) Temperature resistance for dry fabrics				