

**GLASS FILAMENT FABRICS for PLASTICS REINFORCEMENT**  
**PRODUCT SPECIFICATION**

			Specification
<b>Style Number</b>	<b>05533</b>	<b>Old ITG desc.</b>	05533 MIL-Y-1140H
<b>US Style</b>			AMS / MIL-C-9084
<b>WLB No.</b>			DIN 65066
<b>British Standard</b>			BS 3396

<b>Finish/Designatio</b>	FK144
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	Unit	Tolerance		Specification
<b>Weave pattern</b>		2 x 2 twill		DIN ISO 9354
Area weight	g / m <sup>2</sup>	80,0	± 5%	DIN EN 12127
<b>Yarn</b>	tex			DIN EN 12654
warp yarn		EC9-34 tex		
weft yarn		EC9-34 tex		
<b>Fibre count</b>	1 / cm			DIN EN 1049
warp ends		12,0	± 5%	
weft picks		11,5	± 5%	

<b>Temperature resistance 1)</b>			
Continuous load	°C	260	
Short time resistance	°C	600	

<b>Moisture content</b>	%	< 2,0		DIN EN 3616
<b>Finish content</b>	%	0,08 - 0,28		DIN ISO 1887
				DIN EN 60

<b>Thickness (approx. dry)</b>	mm	0,10	± 5%	DIN ISO 4603/E
in laminate	mm	0,70	± 5%	

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**PRODUCT SPECIFICATION**

	Unit	Standard	P-D ITG	Tolerance	Specification
<b>Style Number</b>		<b>05533</b>		<b>/ FK144</b>	
<b>Tensile Strength</b>					ASTM D 4029
warp	N/cm			>	
weft	N/cm			>	
<b>Tensile strength</b>					DIN EN 2747
warp	MPa			>	
weft	MPa			>	
<b>Young's-Modulus</b>					
warp	GPa			>	
weft	GPa			>	
<b>Compression strength</b>					DIN 53454
warp	MPa			>	DIN 65380
weft	MPa			>	DIN prEN 2580
<b>Compression-Modulus</b>					
warp	GPa			>	
weft	GPa			>	
<b>Interlaminar shear strength</b>					DIN EN 2377
warp	MPa			>	
weft	MPa			>	
<b>Flexural strength</b>					DIN EN 2746
warp	MPa			>	
weft	MPa			>	
<b>Flexural-Modulus</b>					
warp	GPa			>	
weft	GPa			>	

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**Remarks**

- 1) Temperature resistance for dry fabrics