

GLASS FILAMENT FABRICS for PLASTICS REINFORCEMENT
PRODUCT SPECIFICATION

			Specification
Style Number	92146	Old ITG desc.	92146 MIL-Y-1140H
US Style			AMS / MIL-C-9084
WLB No.	8.4525.60		DIN 65066
British Standard			BS 3396

Finish/Designatio	FK144
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	Unit	Tolerance		Specification
Weave pattern		Plain		DIN ISO 9354
Area weight	g / m ²	425,0	± 5%	DIN EN 12127
Yarn	tex			DIN EN 12654
warp yarn		EC9-136x5 t0 tex		
weft yarn		EC9-68 tex		
Fibre count	1 / cm			DIN EN 1049
warp ends		5,5	± 5%	
weft picks		6,3	± 5%	

Temperature resistance 1)			
Continuous load	°C	260	
Short time resistance	°C	600	

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

Thickness (approx. dry)	mm	0,45	± 5%	DIN ISO 4603/E
in laminate (43% Vol.)	mm	0,39	± 5%	

All statements herein are expressions of opinion which we believe to be accurate and reliable, but are presented without guarantee or responsibility on our part. Statements concerning possible use of our products are not intended as recommendations for their use in the infringement of any patent. No patent warranty of any kind, express or implied, is made or intended.
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	Unit	Standard	P-D ITG	Tolerance	Specification
Style Number		92146		/ FK144	
Tensile Strength					ASTM D 4029
warp	N/cm			>	
weft	N/cm			>	
Tensile strength					DIN EN 2747
warp	MPa	600		>	
weft	MPa			>	
Young's-Modulus					
warp	GPa	29		>	
weft	GPa			>	
Compression strength					DIN 53454
warp	MPa	480		>	DIN 65380
weft	MPa			>	DIN prEN 2580
Compression-Modulus					
warp	GPa			>	
weft	GPa			>	
Interlaminar shear strength					DIN EN 2377
warp	MPa	50		>	
weft	MPa			>	
Flexural strength					DIN EN 2746
warp	MPa	810		>	
weft	MPa			>	
Flexural-Modulus					
warp	GPa	37		>	
weft	GPa			>	

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Remarks

- 1) Temperature resistance for dry fabrics