

GLASS FILAMENT FABRICS for PLASTICS REINFORCEMENT
PRODUCT SPECIFICATION

			Specification
Style Number	92145	Old ITG desc.	92145 MIL-Y-1140H
US Style			AMS / MIL-C-9084
WLB No.	8.4520.60		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	220,0	± 5%	DIN EN 12127
Yarn	tex			DIN EN 12654
warp yarn		EC9-68x5 t0 tex		
weft yarn		EC7-22 tex		
Fibre count	1 / cm			DIN EN 1049
warp ends		6,0	± 5%	
weft picks		7,0	± 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	0,25	± 5%	DIN ISO 4603/E
in laminate (43% Vol.)	mm	0,19	± 5%	

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	Unit	Standard	P-D ITG	Tolerance	Specification
Style Number		92145		/ FK144	
Tensile Strength					ASTM D 4029
warp	N/cm	626		>	
weft	N/cm			>	
Tensile strength					DIN EN 2747
warp	MPa	630		>	
weft	MPa			>	
Young's-Modulus					
warp	GPa	33		>	
weft	GPa			>	
Compression strength					DIN 53454
warp	MPa	510		>	DIN 65380
weft	MPa			>	DIN prEN 2580
Compression-Modulus					
warp	GPa	28		>	
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