



Cristex Composite Materials

Product: GLASS FILAMENT FABRICS for PLASTICS REINFORCEMENT PRODUCT SPECIFICATION

		Specification		
Style Number	92125	MIL-Y-1140H MIL-C-		
US Style	8,4551,60	9084		
WLB No.		DIN 65066		
British Standard		BS 3396		
Finish/Designation	FE013			
		Unit	Tolerance Specification	
Weave pattern	Area weight	g / m ²	DIN ISO 9354	
Yarn		tex	2 x 2 twill 280.0	DIN EN 12127
warp yarn			± 5%	DIN EN 12654
			EC9-68x3 t0	
weft yarn			EC9-204	
Fibre count		1 / cm		
warp ends				DIN EN 1049
weft picks		7.0		
		6.5	± 5%	
			± 5%	
Temperature resistance 1)				
Continuous load		°C	260	
Short time resistance		°C	600	
Moisture content		%	< 0.2	± 1% DIN EN 3616
Finish content		%	0.08 - 0.28	± 5% DIN ISO 1887 DIN EN 60
Thickness (approx. dry) in laminate		mm		DIN ISO 4603/E
(43% Vol.)		mm	0.35	± 5%
			0.25	± 5%



PRODUCT SPECIFICATION

	Unit	Standard	CS-ITG	Tolerance	Specification
Style Number		92125		/ FE013	DIN EN 2747
Tensile strength					
warp weft				± 10%	
Young's-Modulus	MPa			± 10%	
warp weft	MPa				
	GPa			± 10%	
	GPa			± 10%	
Compression					DIN 53454
strength warp					DIN 65380
weft	MPa			± 10%	DIN prEN 2580
	MPa			± 10%	
Compression-Modulus					
warp weft					
	GPa			± 10%	
	GPa			± 10%	
Interlaminar shear strength					DIN EN 2377
warp	MPa			± 10%	
weft	MPa			± 10%	
Flexural strength					DIN EN 2746
warp	MPa			± 10%	
weft	MPa			± 10%	
Flexural-Modulus					
warp weft					
	GPa			± 10%	
	GPa			± 10%	
Remarks					
1) Temperature resistance for dry fabrics					

Important - Information on the above characteristics is based upon tests we believe to be reliable. The values given are typical values that vary according to application conditions. The values are intended only as a source of information and are given without guarantee and do not constitute a warranty. It should be noted that the substrate test materials are generic and actual results may vary from those given above. Purchasers should independently determine prior to use the suitability of this material for their specific purposes.