ISO 9001 - Cert No 10490

CristexCompositeMaterials

TECHNICAL DATA SHEET

05305-FK800- Finished "S" glass

Style 05305-FK800 is a medium weight satin weave "S" glass fibre fabric treated with FK 800.
"S" glass is defined as a higher silicon dioxide glass with a lower content of calcium oxide and boron oxide when compared with "E" glass.
"S" glass has higher strength and modulus when compared with "E" glass and is used for aerospace composite manufacture and ballistic applications, where its benefits in improved impact and tensile strength are required.
FK800 is a Multi-functional silane finish compatible with a wide range of resin systems.

Technical data:

Base Fabric			**Tolerance**	**Test Methods**
Yarn	Warp Weft	SC9 – 34 SC9 – 34	± 5%	DIN EN 12654
Thread Count	Warp Weft	28.0 per 1 cm 27.0 per 1 cm	± 5%	DIN EN 1049
Tensile Strength (typical)	Warp Weft	TBC N/cm TBC N/cm		DIN EN 12654
Weight		193 g/m²	± 5%	DIN EN 12127
Weave		8 shaft satin		DIN ISO 9354
Finished Fabric				
Coating		silane treated after heat cleaning		
Weight		190 g/m²	± 10%	DIN EN 12127
Thickness (typical)		0.25 mm	± 10%	DIN ISO 4603/E
Tensile Strength (typical)	Warp Weft	330 N/cm 300 N/cm		DIN ISO 4606
Organic content (typical)		<1% (0.14)		

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.

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