Technical Data Sheet – 8590SR108

Issue no. 03

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SILICONE COATED E-GLASS CLOTH

Finished Fabric	Units	Value	Tolerance
Weight	g/m^2	505	±5%
Thickness	mm	0.4	±5%
Useable width (standard)	mm	1300	±5%
Roll Length (standard)	mtr	50	
Maximum operating temp.	^0C	220*	
Colour/Description	Silver/grey coating one side, lightly caramelised glass fibres opposite side		

Base Fabric Construction			
Weight	g/m^2	425	±5%
Weave pattern		4H Satin	
Construction			
Warp	per cm	19.2	±5%
Weft	per cm	11.2	±5%
Yarn count			
Warp	Tex	EC9 136	
Weft	Tex	EC9 136	
Tensile strength			
Warp	N/5cm	4800	±10%
Weft	N/5cm	3700	±10%

Treatment/Coating Details			
Weight	g/m^2	80	±10%

80g/m^2 Silver/grey silicone on one side only.

Comments

*Maximum continuous operating temperature is 220^{0}C, short periods up to 250^{0}C.

The uncoated side of this fabric is subjected to extended heating which cures the silicone further and caramelises the fibres, the resultant cloth feels firmer and is less prone to fraying during cutting/sewing than softer versions. A softer, more flexible version is also available.

Base fabric will withstand 550^{0}C (unstressed), melting point >800^{0}C

See our Polymer Comparison Chart for details about specific chemical and environmental resistance.

If you have any technical queries please feel free to phone us: 01422 311 607.

THS Industrial Textiles Ltd reserves the right to alter any of the elements quoted in the above specification without prior notice. Please note that the above information is given in good faith and should be considered as a guide only, if any values in this specification are of critical importance then we strongly recommend the user arranges independent testing themselves. Test methods mentioned are considered as guides only, actual methods may differ slightly in practice. Suitability of the product for all applications is at the discretion of the user, as are any potential patent infringements relating to specific applications.

THS INDUSTRIAL TEXTILES LTD, HEATHFIELD BUSINESS PK., HEATHFIELD STREET, ELLAND, WEST YORKSHIRE, HX5 9AU, UK.
TEL: +44 (0)1422 311 607 FAX: +44 (0)1422 387 316 EMAIL: mail@thstextiles.co.uk WEB: WWW.THSTEXTILES.CO.UK

THS Industrial Textiles Ltd