

TECHNICAL MATERIAL SPECIFICATION

Antistatic TCS

ANTISTATIC TCS polyester material with steel fibres is made of TREVIRA CS fibres and woven by the own weaving mill. The TCS materials are woven in a twill weave that combined with the heavy-duty and twisted staple fibres ensures the largest possible fabric surface and by that longer washing intervals. ANTISTATIC TCS is DIN 54345-1 ($^{\circ}2 \times 10^3$ Ohm) approved.

Heatset, shrinkage and permeability stabilised material.



Type		ANTISTATIC 325	ANTISTATIC 550	Standard
Weight (%) -/+5	g/m ₂	300	290	EN-ISO 5077
Thickness (%) -/+10	mm	0.6	0.65	EN-ISO 12127:1997
Permeability	m ³ /m ₂ /h 120 Pa Tolerance (%)	325 -6/+15	550 -6/+15	EN-ISO 9237:1995
Tensile strength (%) -/+10	Warp / Weft N/50 mm	2700 / 900	2750 / 850	EN-ISO 13934-1
Resistance to tearing (%) -/+10	Warp / Weft N	110 / 80	110 / 90	EN-ISO 13937:2
*Dust retention Filter class		M6	M6	EN-ISO 779:2012
**Shrinkage in wash	(%) 40°C	0.5	0.5	EN-ISO 5077
Melting point	°C	254	254	
Operating temperature	°C	80/-45	80/-45	
Spontaneous ignition temp.	°C	508	508	
Water absorption	(%) at 90% RF	0.4	0.4	
Electrostatic Resistance	Ohm	$^{\circ}2 \times 10^3$	$^{\circ}2 \times 10^3$	DIN 54345-1
Clean room classification		N/A	N/A	ISO-14644-1
Fire resistance		B-S1-d0 Yes	B-S1-d0 Yes	EN-13501 AC 167 UL 2518 NFPA 90 A
Cradle to Cradle™		N/A	N/A	

*EA measurement

**Washed and dried according to Euro Air instructions

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