

# Material Specification

## ANTISTATIC



**MATERIAL:** ANTISTATIC TCS polyester material with steel fibres is made of TREVIRA CS fibres and woven by the weaving mill of Euro Air. 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 ( $2 \times 10^5$  ohm/cm) approved.

**CONSTRUCTION:** Heatset, shrinkage- and permeability-stabilized material.

Type		ANTISTATIC 325	ANTISTATIC 550	Standard
<b>Weight (%) -/+5</b>	g/m <sup>2</sup>	300	290	EN-ISO 5077
<b>Thickness (%) -/+10</b>	mm	0.6	0.65	EN-ISO 12127:1997
<b>Permeability</b>	m <sup>3</sup> /m <sup>2</sup> /h 120 Pa Tolerance (%)	325 -6/+15	550 -6/+15	EN-ISO 9237:1995
<b>Tensile strength (%) -/+10</b>	Warp / Weft N/50 mm	2700 / 1100	2900 / 890	EN-ISO 13934-1
<b>Resistance to tearing (%) -/+10</b>	Warp / Weft N	110 / 80	110 / 90	EN-ISO 13937:2
<b>*Dust retention Filter class</b>		M6	M6	EN-ISO 779:2012
<b>**Shrinkage in wash</b>	(%) 40°C	0.5	0.5	EN-ISO 5077
<b>Melting point</b>	°C	254	254	
<b>Operating temperature</b>	°C	60/-45	60/-45	
<b>Spontaneous ignition temp.</b>	°C	508	508	
<b>Water absorption</b>	(%) at 90% RF	0.4	0.4	
<b>Electrostatic Resistance</b>	Ohm/cm	$2 \times 10^5$	$2 \times 10^5$	DIN 54345
<b>Clean room classification</b>		N/A	N/A	ISO-14644-1
<b>Fire resistance</b>		B-S1-d0 Yes	B-S1-d0 Yes	EN-13501 AC 167 UL 2518 NFPA 90 A
<b>Oeko-Tex®</b>		Approved	Approved	Standard 100
<b>Cradle to Cradle™</b>		N/A	N/A	

\*EA measurement \*\*Washed and dried according to Euro Air instructions

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