

Material Specification

GreenWeave

Antistatic



KE FIBERTEC

AIR THE WAY YOU WANT

MATERIAL: High Dust Capacity polyester material with steel fibres and woven by KE Fibertec Væveri (weaving mill). The Antistatic GreenWeave materials are woven in a twill weave that combined with the heavy-duty and twisted staple fibres ensures the largest possible textile surface and by that longer washing intervals. Antistatic GreenWeave is DIN 54345-1 ($\leq 2 \times 10^3$ Ohm) approved.

CONSTRUCTION: Heatset, shrinkage- and permeability-stabilised material.

Type KE-Datasheet		GWA200 20	GWA320 21	GWA500 22	Standard
Weight (%) -/+5	g/m²	325	300	290	EN-ISO 5077
Thickness (%) -/+10	mm	0.6	0.6	0.65	EN-ISO 12127:1997
Permeability	m³/m²/h 120 Pa Tolerance (%)	200 -7/+19	320 -6/+15	500 -6/+15	EN-ISO 9237:1995
Tensile strength (%) -/+10	Warp / Weft N	2700 / 1100	2700 / 900	2700 / 850	EN-ISO 13934-1
Resistance to tearing (%) -/+10	Warp / Weft N	70 / 40	110 / 80	110 / 90	EN-ISO 13937:2
*Filter class		M6	M6	M6	EN 779:2012
*Dust holding capacity	<small>(250/350/450 Pa)</small> g	11/19/28	11/19/28	11/19/28	EN 779:2012
**Shrinkage in wash	(%) 40°C	0.5	0.5	0.5	EN-ISO 5077
Operating temperature	°C	80/-45	80/-45	80/-45	
Spontaneous ignition temp.	°C	508	508	508	
Water absorption	(%) at 90% RH	0.4	0.4	0.4	
Electrostatic Resistance	Ohm	$\leq 2 \times 10^3$	$\leq 2 \times 10^3$	$\leq 2 \times 10^3$	DIN 54345-1
Clean room classification		N/A	N/A	N/A	ISO-14644-1
Fire resistance		B-S1-d0 Yes	B-S1-d0 Yes	B-S1-d0 Yes	EN-13501 UL 2518 NFPA 90 A
Oeko-Tex®		Approved	Approved	Approved	Standard 100
Cradle to Cradle®		N/A	N/A	N/A	

*KE measurement **Washed and dried according to KE Fibertec instructions

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