

Material Specification

GreenWeave

Antistatic



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 fibers ensures the largest possible fabric surface and by that longer washing intervals. Antistatic GreenWeave is DIN 54345-1 ($\leq 2 \times 10^3$ Ohm) approved.

CONSTRUCTION: Heatset, shrinkage- and porosity-stabilized material.

Type KE-Datasheet		GWA11 20	GWA18 21	GWA27 22	Standard
Weight (%) -/+5	oz/yd²	9.6	8.8	8.6	EN-ISO 5077
Thickness (%) -/+10	mil	24	24	26	EN-ISO 12127:1997
Porosity at 0.5 inWG	CFM/ft² Tolerance %	11 -7/+19	18 -6/+15	27 -6/+15	EN-ISO 9237:1995
Tensile strength (%) -/+10	Warp / Weft lb_f	607 / 247	607 / 202	607 / 191	EN-ISO 13934-1
Resistance to tearing (%) -/+10	Warp / Weft lb_f	16 / 9	25 / 18	25 / 20	EN-ISO 13937:2
*Filter class		M6	M6	M6	EN 779:2012
**Shrinkage in wash	%	<0.5	<0.5	<0.5	EN-ISO 5077
Operating temperature	°F	+140/-49	+140/-49	+140/-49	
Spontaneous ignition temp.	°F	946	946	946	
Water absorption in standard climate	%	0.4	0.4	0.4	
Electrostatic resistance	Ohm	$\leq 2 \times 10^3$	$\leq 2 \times 10^3$	$\leq 2 \times 10^{10}$	DIN 54345-1
Fire resistance		B-S1-d0 Yes	B-S1-d0 Yes	B-S1-d0 Yes	EN-13501 UL 723/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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