

Material Specification GreenWeave



AIR THE WAY YOU WANT

MATERIAL: High Dust Capacity polyester material woven by KE Fibertec textile mill. The GreenWeave materials are woven in a twill weave that combined with the heavy and twisted staple fibers ensure the largest possible fabric surface and by that longer washing intervals.

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

Type KE-Datasheet		GW2 1	GW8 2	GW11 3	GW18 4	GW27 5	GW43 6	GW76 7	Standard
Weight (%) -/+5	oz/yd²	11.8	9.7	9.6	8.8	8.6	9.7	10.0	EN-ISO 5077
Thickness (%) -/+10	mil	28	24	24	24	26	30	24	EN-ISO 12127:1997
Porosity at 0.5 inWG	CFM/ft² Tolerance %	2 -25/+8	8 -12/+16	11 -7/+19	18 -6/+15	27 -6/+15	43 -8/+14	76 -11/+14	EN-ISO 9237:1995
Tensile strength (%) -/+10	Warp / Weft lb_f	607 / 438	618 / 259	652 / 247	641 / 214	629 / 157	641 / 292	629 / 225	EN-ISO 13934-1
Resistance to tearing (%) -/+10	Warp / Weft lb_f	22 / 22	25 / 16	22 / 16	38 / 20	40 / 31	40 / 65	31 / 31	EN-ISO 13937:2
*Filter class		M6	M6	M6	M6	M6	M6	M6	EN 779:2012
**Shrinkage in wash	%	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	EN-ISO 5077
Operating temperature max./min.	°F	+140/-49	+140/-49	+140/-49	+140/-49	+140/-49	+140/-49	+140/-49	
Spontaneous ignition temperature	°F	946	946	946	946	946	946	946	
Water absorption in standard climate	%	0.4	0.4	0.4	0.4	0.4	0.4	0.4	
Electrostatic resistance	Ohm	≤2 x 10 ¹⁰	≤2 x 10 ¹⁰	≤2 x 10 ¹⁰	≤2 x 10 ¹⁰	≤2 x 10 ¹⁰	≤2 x 10 ¹⁰	≤2 x 10 ¹⁰	DIN 54345-1
Fire resistance		Flame retardant	Flame retardant	Flame retardant	Flame retardant	Flame retardant	Flame retardant	Flame retardant	EN-13501 UL 723/ NFPA 90 A
Oeko-Tex®		Approved	Approved	Approved	Approved	Approved	Approved	Approved	Standard 100
Cradle to Cradle®		The GreenWeave material is Cradle to Cradle certified							

*Recommended KE measurement **Washed and dried according to KE Fibertec's instructions.

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