

Material Specification

GreenWeave



KE FIBERTEC

AIR THE WAY YOU WANT

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

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

Type KE-Datasheet		GW50 1	GW150 2	GW200 3	GW320 4	GW500 5	GW780 6	GW1380 7	Standard
Weight (%) -/+5	g/m ²	400	330	325	300	290	280	340	EN-ISO 5077
Thickness (%) -/+10	mm	0.7	0.6	0.6	0.6	0.65	0.6	0.6	EN-ISO 12127:1997
Permeability	m ³ /m ² /h 120 Pa Tolerance (%)	50	150	200	320	500	780	1380	EN-ISO 9237:1995
		-25/+8	-12/+16	-7/+19	-6/+15	-6/+15	-8/+14	-11/+14	
Tensile strength (%) -/+10	Warp / Weft N/50 mm	2600 / 2100	2800 / 1100	2700 / 1300	2800 / 1100	2800 / 920	2900 / 800	2700 / 1300	EN-ISO 13934-1
Resistance to tearing (%) -/+10	Warp / Weft N	98 / 103	112 / 69	95 / 72	167 / 91	178 / 137	166 / 164	144 / 138	EN-ISO 13937:2
Filter class		M6*	M6*	M6*	M6*	M6*	M6	M6*	EN 779:2012
Dust holding capacity	(250/350/450 Pa) g	11/19/28*	11/19/28*	11/19/28*	11/19/28*	11/19/28*	11/19/28	11/19/28*	EN 779:2012
**Shrinkage in wash	(%) 40°C	0.5	0.5	0.5	0.5	0.5	0.5	0.5	EN-ISO 5077
Operating temperature	°C	80/-45	80/-45	80/-45	80/-45	80/-45	80/-45	80/-45	
Spontaneous ignition temp.	°C	508	508	508	508	508	508	508	
Water absorption	(%) at 90% RH	0.4	0.4	0.4	0.4	0.4	0.4	0.4	
Electrostatic resistance	Ohm/cm	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
Clean room classification		N/A	N/A	N/A	N/A	N/A	N/A	N/A	ISO-14644- 1
Fire resistance		B-S1-d0	B-S1-d0	B-S1-d0	B-S1-d0	B-S1-d0	B-S1-d0	B-S1-d0	EN-13501 UL 2518 NFPA 90 A
		Yes	Yes	Yes	Yes	Yes	Yes	Yes	
Oeko-Tex®		Approved	Approved	Approved	Approved	Approved	Approved	Approved	Standard 100

Cradle to Cradle®

The GreenWeave material is Cradle to Cradle certified

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

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