

# Material Specification

## GreenWeave



KE FIBERTEC

AIR THE WAY YOU WANT

**MATERIAL:** High Dust Capacity polyester material woven by KE Fibertec Væveri (weaving 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-stabilised material.

Type KE-Datasheet		GW50 1	GW150 2	GW200 3	GW320 4	GW500 5	GW780 6	GW1380 7	Standard
<b>Weight (%) -/+5</b>	<b>g/m<sup>2</sup></b>	400	330	325	300	290	330	340	EN-ISO 5077
<b>Thickness (%) -/+10</b>	<b>mm</b>	0.7	0.6	0.6	0.6	0.65	0.75	0.6	EN-ISO 12127:1997
<b>Permeability</b>	<b>m<sup>3</sup>/m<sup>2</sup>/h 120 Pa Tolerance (%)</b>	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	
<b>Tensile strength (%) -/+10</b>	<b>Warp / Weft N</b>	2700 / 1950	2750 / 1150	2900 / 1100	2850 / 950	2800 / 700	2850 / 1300	2800 / 1000	EN-ISO 13934-1
<b>Resistance to tearing (%) -/+10</b>	<b>Warp / Weft N</b>	98 / 103	112 / 69	95 / 72	167 / 91	178 / 137	180 / 290	144 / 138	EN-ISO 13937:2
<b>*Filter class</b>		M6	M6	M6	M6	M6	M6	M6	EN 779:2012
<b>*Dust holding capacity</b>	<b>(250/350/450 Pa) g</b>	11/19/28	11/19/28	11/19/28	11/19/28	11/19/28	11/19/28	11/19/28	EN 779:2012
<b>**Shrinkage in wash</b>	<b>(%) 40°C</b>	0.5	0.5	0.5	0.5	0.5	0.5	0.5	EN-ISO 5077
<b>Operating temperature</b>	<b>°C</b>	80/-45	80/-45	80/-45	80/-45	80/-45	80/-45	80/-45	
<b>Spontaneous ignition temp.</b>	<b>°C</b>	508	508	508	508	508	508	508	
<b>Water absorption</b>	<b>(%) at 90% RH</b>	0.4	0.4	0.4	0.4	0.4	0.4	0.4	
<b>Electrostatic resistance</b>	<b>Ohm</b>	≤2 x 10 <sup>10</sup>	≤2 x 10 <sup>10</sup>	≤2 x 10 <sup>10</sup>	≤2 x 10 <sup>10</sup>	≤2 x 10 <sup>10</sup>	≤2 x 10 <sup>10</sup>	≤2 x 10 <sup>10</sup>	DIN 54345-1
<b>Clean room classification</b>		N/A	N/A	N/A	N/A	N/A	N/A	N/A	ISO-14644-1
<b>Fire resistance</b>		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	
<b>Oeko-Tex®</b>		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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