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**
Weight **(%) -/+5**	**g/m²**	400	330	325	300	290	330	340	EN-ISO 5077
Thickness **(%) -/+10**	**mm**	0.7	0.6	0.6	0.6	0.65	0.75	0.6	EN-ISO 12127:1997
Permeability	**m³/m²/h** **120 Pa** **Tolerance** **(%)**	50 -25/+8	150 -12/+16	200 -7/+19	320 -6/+15	500 -6/+15	780 -8/+14	1380 -11/+14	EN-ISO 9237:1995
Tensile strength **(%) -/+10**	**Warp / Weft** **N/50 mm**	2600 / 2100	2800 / 1100	2700 / 1300	2800 / 1100	2800 / 920	2250 / 875	2700 / 1300	EN-ISO 13934-1
Resistance to **tearing** **(%) -/+10**	**Warp / Weft** **N**	98 / 103	112 / 69	95 / 72	167 / 91	178 / 137	180 / 290	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**	≤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 Yes	B-S1-d0 Yes	B-S1-d0 Yes	B-S1-d0 Yes	B-S1-d0 Yes	B-S1-d0 Yes	B-S1-d0 Yes	EN-13501 UL 2518 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							

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

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