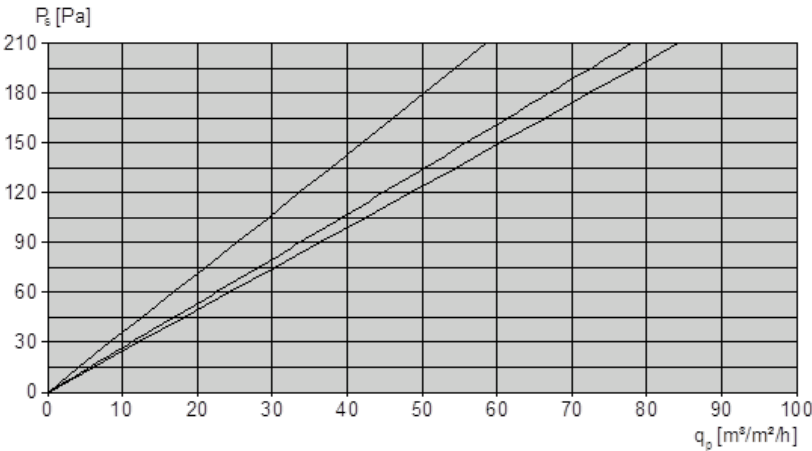




Material Datasheet 1

KE no.	GW50			
Material	High Dust Capacity polyester fabric			
Construction	Heat-set, shrinkage- and permeability-stabilised			
Weight	g/m ²	400	(%) -/+5	EN-ISO 5077
Thickness	mm	0.7	(%) -/+10	EN-ISO 12127:1997
Permeability	m ³ /m ² /h/120 Pa	50	(%) -25/+8	EN-ISO 9237:1995
Tensile strength	Warp/Weft N	2700 / 1950	(%) -/+10	EN-ISO 13934-1
Resistance to tearing	Warp/Weft N	98 / 103	(%) -/+10	EN-ISO 13937:2
*Filter class		M6		EN 779:2012
*Dust holding capacity	g (250/350/450 Pa)	11/19/28		EN 779:2012
**Shrinkage in wash	% at 40°C	0.5		EN-ISO 5077
Operating temperature max./min.	°C	80/-45		
Spontaneous ignition temperature	°C	508		
Water absorption	% at 90% RH	0.4		
Electrostatic resistance	Ohm	≤2 x 10 ¹⁰		DIN 54345-1
Clean room classification		N/A		ISO-14644-1
Fire resistance		B-S1-d0 Yes		EN-13501 UL 2518 NFPA 90 A
Melting point	°C	254		
Resistance to aging		Excellent		
Resistance to vibrations, motion		Excellent		
Resistance to solvents		Excellent		
Resistance to acids		Good		
Resistance to bases		Medium		
Resistance to oxidants, light, etc.		Excellent		
Oeko-Tex®		Approved		Standard 100
Cradle to Cradle®	The GreenWeave material is Cradle to Cradle certified			



Quality grades: Excellent - Good - Medium - Less good - Not recommended

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

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12/2024

