

FILTEX® K-1 I/Sm 6501 (PP staple fibers, needle punched non-woven geotextile)

CONFORMANCE CERTIFICATE 1488-CPR-0042/Z



The products covered by harmonized standards: EN 13249:2016; EN 13251:2016; EN 13252:2016; EN 13253:2016; EN 13255:2016; EN13257:2016								
TECHNICAL CHARACTERISTIC	ENGINEERING SPECIFICATION							TEST METHOD
	TYPE OF GEOTEXTILE							
	K-1/150	K-1/200	K-1/300	K-1/400	K-1/500	K-1/600	K-1/800	
1	2	3	4	5	6	7	8	9
Mas per unit area [g/sq.m] Tolerance +/- 10%	150	200	300	400	500	600	800	EN ISO 9864
Thickness [mm] Tolerance ± 10% (pressure)								EN ISO 9863-1
2 kPa	2,6	3,7	4,0	4,3	5,5	6,0	8,0	
20 kPa	1,3	2,0	2,5	3,3	4,0	5,0	6,5	
200 kPa	0,6	1,0	1,4	2,0	2,2	2,9	3,7	
Tensile strength [kN/m] MD [-0,00 kN/m] CMD [-0,00 kN/m]	1,2 2,5	2,0 9,0	6,0 14,0	10,0 21,0	15,0 23,0	20,0 40,0	25,0 50,0	EN ISO 10319
Elongation at maximum load [%] Tolerance ± 20%								EN ISO 10319
MD	150	130	150	140	145	160	140	
CMD	80	70	120	115	110	90	110	
Static puncture resistance [kN] [-0,00 kN] CBR test	0,4	1,2	2,1	3,0	4,0	4,5	5,5	EN ISO 12236
Dynamic punkture resistance- cone drop test [mm] [+0,00 mm]	14,0	10,0	8,5	7,0	4,5	2,5	1,0	EN ISO 13433

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Permeability normal to the plane – - Velocity index $V_{I_{H50}}$ [l/ m ² ×s] [-0,00 l/m ² ×s]	70	35	30	30	22	13	14	EN ISO 11058
In-plane water flow capacity the volumetric flow rate of water per unit width of specimen [l/m·s] for hydraulic gradient i=0,1 -20 kPa ≥ -100 kPa ≥ -200 kPa ≥ for hydraulic gradient i=1,0 -20kPa ≥ -100 kPa ≥ -200 kPa ≥	$3,0 \times 10^{-3}$ [-0,0×10 ⁻³] $3,6 \times 10^{-4}$ [-0,0×10 ⁻⁴] $3,0 \times 10^{-4}$ [-0,0×10 ⁻⁴] $6,0 \times 10^{-3}$ [-0,0×10 ⁻³] $1,7 \times 10^{-3}$ [-0,0×10 ⁻³] $1,0 \times 10^{-3}$ [-0,0×10 ⁻³]	$3,5 \times 10^{-4}$ [-0,0×10 ⁻⁴] $1,0 \times 10^{-5}$ [-0,0×10 ⁻⁵] $3,1 \times 10^{-4}$ [-0,0×10 ⁻⁴] $4,0 \times 10^{-3}$ [-0,0×10 ⁻³] $5,0 \times 10^{-4}$ [-0,0×10 ⁻⁴] $1,5 \times 10^{-3}$ [-0,0×10 ⁻³]	$1,3 \times 10^{-3}$ [-0,0×10 ⁻³] $2,0 \times 10^{-4}$ [-0,0×10 ⁻⁴] $1,8 \times 10^{-4}$ [-0,0×10 ⁻⁴] $1,2 \times 10^{-2}$ [-0,0×10 ⁻²] $2,5 \times 10^{-3}$ [-0,0×10 ⁻³] $1,3 \times 10^{-3}$ [-0,0×10 ⁻³]	$1,3 \times 10^{-3}$ [-0,0×10 ⁻³] $3,0 \times 10^{-4}$ [-0,0×10 ⁻⁴] $2,0 \times 10^{-4}$ [-0,0×10 ⁻⁴] $1,2 \times 10^{-2}$ [-0,0×10 ⁻²] $3,0 \times 10^{-3}$ [-0,0×10 ⁻³] $1,5 \times 10^{-3}$ [-0,0×10 ⁻³]	$1,5 \times 10^{-3}$ [-0,0×10 ⁻³] $4,0 \times 10^{-4}$ [-0,0×10 ⁻⁴] $3,0 \times 10^{-4}$ [-0,0×10 ⁻⁴] $1,2 \times 10^{-2}$ [-0,0×10 ⁻²] $4,5 \times 10^{-3}$ [-0,0×10 ⁻³] $2,0 \times 10^{-3}$ [-0,0×10 ⁻³]	$1,4 \times 10^{-3}$ [-0,0×10 ⁻³] $2,0 \times 10^{-4}$ [-0,0×10 ⁻⁴] $2,5 \times 10^{-4}$ [-0,0×10 ⁻⁴] $1,5 \times 10^{-2}$ [-0,0×10 ⁻²] $3,0 \times 10^{-3}$ [-0,0×10 ⁻³] $2,8 \times 10^{-3}$ [-0,0×10 ⁻³]	$2,5 \times 10^{-3}$ [-0,0×10 ⁻³] $1,0 \times 10^{-4}$ [-0,0×10 ⁻⁴] $1,3 \times 10^{-4}$ [-0,0×10 ⁻⁴] $2,5 \times 10^{-2}$ [-0,0×10 ⁻²] $3,0 \times 10^{-3}$ [-0,0×10 ⁻³] $2,8 \times 10^{-3}$ [-0,0×10 ⁻³]	EN ISO 12958
Opening size 0_{90} [μm]	180 [±36 μm]	150 [±30 μm]	85 [±17μm]	75 [±15μm]	60 [±12μm]	80 [±16μm]	80 [±16μm]	EN ISO 12956

Lodz, 07.05.2018