SINCE 1950

TRADITIONAL QUALITY NONWOVENS

MOKRUTEX PES K

Calendered nonwoven geotextile

OEKO TEX® STANDARD 100 PG035 217573 OETI

OEKO TEX® STANDARD 100 PG035 217550 OETI

Characteristic: Nonwoven textile mechanically bonded by needle punching and thermally by calender

Material content: Recycled polyester

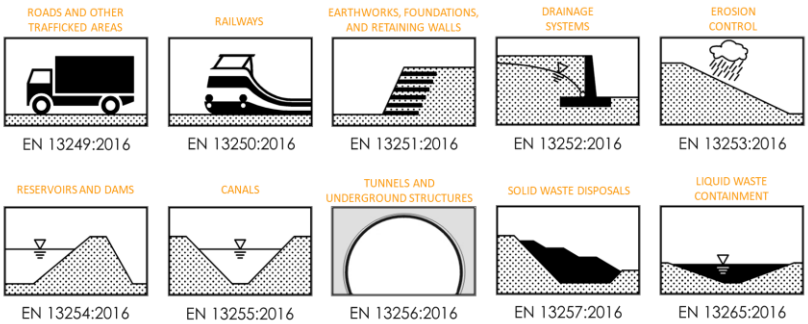
Color: Multicolor and monochromatic

Weight: 200 - 600 g/m2

Maximum width: 4 m

Function:

Use:



Material specification sheet

Date: 11.8. 2024

Quality Management System ISO 9001, ISO 14001, ISO 45001 a ISO 50001

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TRADITIONAL QUALITY NONWOVENS

SINCE 1950

Material specification sheet

Date: 11.8.2024

MOKRUTEX PES K

Calendered nonwoven geotextile

MOKRUTEX PES K			200	250	300	400	500	600
PHYSICAL PROPERTIES								
Weight [±10 %] / EN ISO 9864		g/m^2	200	250	300	400	500	600
Thickness 2 kPa [±15 %] / EN ISO 9863-1		mm	1,6	1,7	1,8	2,2	2,6	2,7
MECHANICAL PROPERTIES								
Tensile strenght / EN ISO 10319	MD	kN/m	3,5-0,5	5-0,5	6,5-1	8-1	10-2	14-2
	CMD		3,5-0,5	5-0,5	6,5-1	8-1	10-2	14-2
Elongation [±20 %] / EN ISO 10319	MD	%	60	70	60	70	65	70
	CMD		80	80	80	70	70	70
Resistance to static puncture - CBR test / EN ISO 12236		kN	0,7-0,1	0,8-0,1	1-0,1	1,5-0,1	2-0,2	2,5-0,2
Dynamic perforation test (cone drop test) / EN ISO 13433		mm	30+3	28+3	24+1,5	18,5+1,5	15+1	13+1
Pyramid puncture resistance [-20] / EN ISO 14574		N	169±13,5	199±16,2	230±18,3	301±16,8	355±27,9	455±23,8
HYDRAULIC PROPERTIES								
Characteristic opening size 090 / EN ISO 12956 [±15]		µm	84±16,8	75±15	70±14	67±13,4	65±13	62±12,4
Water permeability normal to the plane VIH50 / EN ISO 11058		$l/m^2.s$	64-9,6	69,3-10,4	34,9-5,2	35,1-5,3	20,2-3	21,7-3,3
Water permeability in the plane (longitudinal direction) gradient 0,1 [±15 %] / EN ISO 12958	20 kPa	l/m.s	2,66*10-4 -3,99*10-5	2,71*10-4 -4,07*10-5	3,2*10-4 -4,8*10-5	3,6*10-4 -5,4*10-5	3,51*10-4 -5,27*10-5	4,2*10-4 -6,3*10-5
	100 kPa		5,85*10-5 -8,78*10-6	9,21*10-5 -1,38*10-5	9,8*10-5 -1,47*10-5	1,28*10-4 -1,92*10-5	1,29*10-4 -1,94*10-5	1,92*10-4 -2,88*10-5
	200 kPa		2,69*10-5 -4,04*10-6	5,88*10-5 -8,82*10-6	5*10-5 -7,5*10-6	7*10-5 -1,05*10-6	6,60*10-5 -9,9*10-6	1,4*10-4 -2,1*10-5
Water permeability in the plane (longitudinal direction) gradient 1 [±15 %] / EN ISO 12958	20 kPa	l/m.s	2,76*10-3 -4,14*10-4	2,58*10-3 -3,87*10-4	2,8*10-3 -4,2*10-4	3,1*10-3 -4,65*10-4	3,62*10-3 -5,43*10-4	3,99*10-3 -5,99*10-4
	100 kPa		6,04*10-4 -9,06*10-5	8,84*10-4 -1,33*10-4	9,2*10-4 -1,38*10-4	1,22*10-3 -1,83*10-4	1,28*10-3 -1,92*10-4	2,03*10-3 -3,05*10-4
	200 kPa		3,05*10-4 -4,58*10-5	5,65*10-4 -8,48*10-5	5*10-4 -7,5*10-5	7*10-4 -1,05*10-4	6,85*10-4 -1,03*10-4	1,05*10-3 -2,25*10-4
ENDURANCE								
Resistence to hydrolysis / EN 12447		min. 50	>75	>75	>75	>75	>75	>75
Protection efficiency [±10 %] / EN 13719	300 kPa	%	2,06±0,41	1,87'±0,47	1,84'±0,46	1,70±0,43	1,47'±0,37	1,53'±0,38
Resistance to weathering 12224		/ EN ISO	Must be covered within 1 month after being placed					
Life expectancy			Min. 5 years in natural soils with 4<pH<9 with soil temperature < 25 °C.					
FUNCTION								
Separation		S	X	X	X	X	X	X
Filtration		F	X	X	X	X	X	X
Dranaige		D	X	X	X	X	X	X
Reinforcement		R						
Protection		P	X	X	X	X	X	X
CHARACTERISTICS								
Description			Nonwoven textile mechanically bonded by needle punching and thermally by calender					
Material content			Recycled polyester					
Color			Multicolor and monochromatic					
DIMENSION, PACKAGING AND STORAGE								
Roll width		m	4	4	4	4	4	4
Roll lenght		m	50	50	50	50	25	25
Packaging			Rolls are wound on a paper tube, wrapped in PE foil and palletized.					
Storage			In covered, clean and dry spaces					

The above technical parameters are average values and serve for general information. The manufacturer reserves the right to change it.

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