



SINCE
1950

ADDITIONAL QUALITY NONWOVENS

MOKRUTEX HQ PES K

Calendered nonwoven geotextile



1021 - CPR – 100-1/17



- Characteristic:** Nonwoven textile mechanically bonded by needle punching and thermally by calender
- Material content:** 100 % polyester staple fibre
- Color:** White
- Weight:** 200 - 500 g/m²
- Maximum width:** 6,5 m
- Function:**



SEPARATION FILTRATION DRAINAGE PROTECTION

Use:

 ROADS AND OTHER TRAFFICKED AREAS EN 13249:2016	 RAILWAYS EN 13250:2016	 EARTHWORKS, FOUNDATIONS, AND RETAINING WALLS EN 13251:2016	 DRAINAGE SYSTEMS EN 13252:2016	 EROSION CONTROL EN 13253:2016
 RESERVOIRS AND DAMS EN 13254:2016	 CANALS EN 13255:2016	 TUNNELS AND UNDERGROUND STRUCTURES EN 13256:2016	 SOLID WASTE DISPOSALS EN 13257:2016	 LIQUID WASTE CONTAINMENT EN 13265:2016

Material specification sheet

Date: 7.2. 2025

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MOKRUTEX HQ PES K			200	300	500
PHYSICAL PROPERTIES					
Weight [±10 %] / EN ISO 9864		g/m ²	200	300	500
Thickness 2 kPa [±15 %] / EN ISO 9863-1		mm	1	1,2	2,1
MECHANICAL PROPERTIES					
Tensile strenght / EN ISO 10319	MD CMD	kN/m	7-1 7-1	11-1 11-1	21-2 21-2
Elongation [±20 %] / EN ISO 10319	MD CMD	%	75 90	75 90	80 90
Resistance to static puncture - CBR test / EN ISO 12236		kN	1-0,1	1,7-0,1	3,1-0,2
Dynamic perforation test (cone drop test) / EN ISO 13433		mm	24+2	18+2	9+1
Pyramid puncture resistance [-20] / EN ISO 14574		N	193	230	349
HYDRAULIC PROPERTIES					
Characteristic opening size 090 / EN ISO 12956 [±15 %]		µm	79	75	61
Water permeability normal to the plane VIH50 / EN ISO 11058		l/m ² .s	6,54-2,5	3,5-2,1	2,46-1,2
Water permeability in the plane (longitudinal direction) gradient 0,1 [±15 %] / EN ISO 12958	20 kPa / 100 kPa / 200 kPa	l/m.s	1,39·10 ⁻⁴ 6,28·10 ⁻⁵ 3,28·10 ⁻⁵	2,41·10 ⁻⁴ 8,52·10 ⁻⁵ 5,18·10 ⁻⁵	3,15·10 ⁻⁴ 1,9·10 ⁻⁴ 1,42·10 ⁻⁴
Water permeability in the plane (longitudinal direction) gradient 1 [±15 %] / EN ISO 12958	20 kPa / 100 kPa / 200 kPa	l/m.s	1,43·10 ⁻³ 6,38·10 ⁻⁴ 2,92·10 ⁻⁴	2,27·10 ⁻³ 1,06·10 ⁻³ 5,61·10 ⁻⁴	3,33·10 ⁻³ 1,94·10 ⁻³ 1,38·10 ⁻³
ENDURANCE					
Protection efficiency [±10 %] / EN 13719		300 kPa %	2,1	1,71	1,39
Resistance to weathering / EN ISO 12224			It must be covered on the day after being placed	Must be covered within 2 weeks after being placed	
Determining the resistance to oxidation / EN ISO 13438	↑ →	%	88,4 110,9	88,4 110,9	88,4 110,9
Life expectancy			Min. 25 years in natural soils with 4<pH<9 with soil temperature < 25 °C.		
FUNCTION					
Separation		S	X	X	X
Filtration		F	X	X	X
Dranaige		D	X	X	X
Reinforcement		R			
Protection		P	X	X	X
CHARACTERISTICS					
Description	Nonwoven textile mechanically bonded by needle punching				
Material content	100 % polyester staple fibre				
Color	White,Black				
DIMENSION, PACKAGING AND STORAGE					
Roll width		m	6,5	6,5	6,5
Roll lenght		m	50	50	25
Packaging	Rolls are packed in PE foil, and according to the requirements can be wind up on paper tubes				
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.