



SINCE
1950

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
- Colour:** White
- Weight:** 200 - 500 g/m²
- Maximum width:** 6,5 m
- Funktion:**



SEPARATION



FILTRATION



DRAINAGE













PROTECTION



REINFORCEMENT

Use:

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

Material specification sheet

Date: 3. 4. 2023

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

SINCE
1950TRADITIONAL
QUALITY
NONWOVENS

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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	11-1	21-2
			7-1	11-1	21-2
Elongation [±20 %] / EN ISO 10319	MD CMD	%	75	75	80
			90	90	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 12224		/ EN ISO	It must be covered on the day after being placed	Must be covered within 2 weeks after being placed	
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
Drainage	D		X	X	X
Reinforcement	R		X	X	X
Protection	P		X	X	X
CHARACTERISTICS					
Description	Nonwoven textile mechanically bonded by needle punching				
Material content	100 % polyester staple fibre				
Colour	White,Black				
DIMENSION, PACKAGING AND STORAGE					
Roll width	m		6,5	6,5	6,5
Roll length	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.