



SINCE
1950

MOKRUTEX HQ PP K

Calendered nonwoven geotextile



1021 - CPR – 100-1/17



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



SEPARATION



FILTRATION



DRAINAGE



PROTECTION



REINFORCEMENT

Use:

ROADS AND OTHER
TRAFFICKED AREAS



EN 13249:2016

RAILWAYS



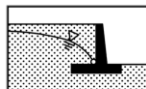
EN 13250:2016

EARTHWORKS, FOUNDATIONS,
AND RETAINING WALLS



EN 13251:2016

DRAINAGE
SYSTEMS



EN 13252:2016

EROSION
CONTROL



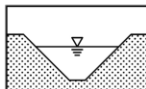
EN 13253:2016

RESERVOIRS AND DAMS



EN 13254:2016

CANALS



EN 13255:2016

TUNNELS AND
UNDERGROUND STRUCTURES



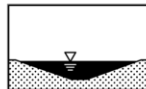
EN 13256:2016

SOLID WASTE DISPOSALS



EN 13257:2016

LIQUID WASTE
CONTAINMENT



EN 13265:2016

Material specification sheet

Date: 08.10. 2025



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TRADITIONAL QUALITY NONWOVENS

Material specification sheet

Date: 08. 10. 2025

MOKRUTEX HQ PP K

Calendered nonwoven geotextile

MOKRUTEX HQ PP K				100	150	180	200	250	270	300	400	500
PHYSICAL PROPERTIES												
Weight [±10 %] / EN ISO 9864	g/m ²			100	150	180	200	250	270	300	400	500
Thickness 2 kPa [±15 %] / EN ISO 9863-1	mm			0,7	0,9	1	1,1	1,4	1,5	1,6	2,2	2,6
MECHANICAL PROPERTIES												
Tensile strenght / EN ISO 10319	MD CMD	kN/m		8 -1	11 -1	14 -1	16 -1	20 -1	21 -1	23 -1	31 -1	42 -2
				8 -1	11 -1	14 -1	16 -1	20 -1	21 -1	23 -1	31 -1	42 -2
Elongation [±15 %] / EN ISO 10319	MD CMD	%		50	55	65	65	65	65	65	70	70
				55	65	75	75	75	75	75	80	80
Resistance to static puncture - CBR test / EN ISO 12236		kN		1,3 -0,1	1,8 -0,1	2,1 -0,1	2,6 -0,1	3,2 -0,1	3,3 -0,1	3,7 -0,1	5,5 -0,1	6,7 -0,2
Dynamic perforation test (cone drop test) / EN ISO 13433		mm		30 +2	22+2	20 +2	15 +2	13 +2	12 +2	8 +2	6 +2	5 +1
Pyramid puncture resistance / EN ISO 14574		N		150,4 - 20	150,4 - 20	150,4 - 20	228 - 20	228 - 20	228 - 20	302 -20	468 -20	490 -20
HYDRAULIC PROPERTIES												
Characteristic opening size 090 / EN ISO 12956		µm		122 ±15	122 ±15	122 ±15	99 ±15	99 ±15	99 ±15	59 ±15	62 ±15	55 ±15
Water permeability normal plane VIH50 / EN ISO 11058	to the	l/m ² ·s		25 - 3,6	25 - 3,6	25 - 3,6	17,3 - 2,5	17,3 - 2,5	17,3 - 2,5	14,6 - 2,1	7,7 - 1,4	6,7 - 1,2
Water permeability in the plane (longitudinal direction) gradient 0,1 [±15 %] / EN ISO 12958	20 kPa	l/m.s		8,11·10 ⁻⁵	8,11·10-5	8,11·10-5	1,58·10 ⁻⁴	1,58·10-4	1,58·10-4	2,28·10 ⁻⁴	1,68·10 ⁻⁴	3,24·10 ⁻⁴
	100 kPa			1,71·10-5	1,71·10-5	1,71·10-5	7,88·10-5	7,88·10-5	7,88·10 ⁻⁵	1,29·10 ⁻⁴	1,18·10 ⁻⁴	1,97·10 ⁻⁴
	200 kPa			5,49·10-6	5,49·10-6	5,49·10-6	6,36·10-5	6,36·10-5	6,36·10-5	1,13·10-4	1,03·10 ⁻⁴	1,66·10 ⁻⁴
Water permeability in the plane (longitudinal direction) gradient 1 [±15 %] / EN ISO 12958	20 kPa	l/m.s		8,51·10 ⁻⁴	8,51·10-4	8,51·10-4	1,57·10 ⁻³	1,57·10-3	1,57·10-3	2,35·10 ⁻³	1,76·10 ⁻³	3,41·10 ⁻³
	100 kPa			2,11·10 ⁻⁴	2,11·10-4	2,11·10-4	7,73·10 ⁻⁴	7,73·10-4	7,73·10-4	1,33·10 ⁻³	1,12·10 ⁻³	1,96·10 ⁻³
	200 kPa			8,84·10 ⁻⁵	8,84·10-5	8,84·10-5	6,72·10 ⁻⁴	6,72·10-4	6,72·10-4	1,18·10 ⁻³	1,01·10 ⁻³	1,71·10 ⁻³
ENDURANCE												
Resistance to oxidation / EN ISO 13438	MD CMD	%		90,90	90,90	90,90	90,90	90,90	90,90	84,70	84,70	84,70
				76,40	76,40	76,40	76,40	76,40	76,40	80,00	80,00	80,00
Protection efficiency [±10 %]/ EN 13719	300 kPa	%		1,82	1,82	1,82	1,59	1,59	1,59	2,52	1,56	1,81
Resistance to weathering / EN ISO 12224				Must be covered within 2 weeks after being placed			Must be covered within 1 month after being placed					
Life expectancy				Min. 100 years in natural soils with 4<pH<9 with soil temperature < 25 °C.								
FUNCTION												
Separation	S			X	X	X	X	X	X	X	X	X
Filtration	F			X	X	X	X	X	X	X	X	X
Dranaige	D			X	X	X	X	X	X	X	X	X
Reinforcement	R			X	X	X	X	X	X	X	X	X
Protection	P			X	X	X	X	X	X	X	X	X
CHARACTERISTICS												
Description				Nonwoven textile mechanically bonded by needle punching								
Material content				100 % polypropylen staple fibre								
Color				White								
DIMENSION, PACKAGING AND STORAGE												
Roll width	m			6,5	6,5	6,5	6,5	6,5	6,5	6,5	6,5	6,5
Roll lenght	m			50	50	50	50	50	50	50	50	50
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.