



SINCE
1950

TRADITIONAL

QUALITY

NONWOVENS

MOKRUTEX HQ PP K

Calendered nonwoven geotextile

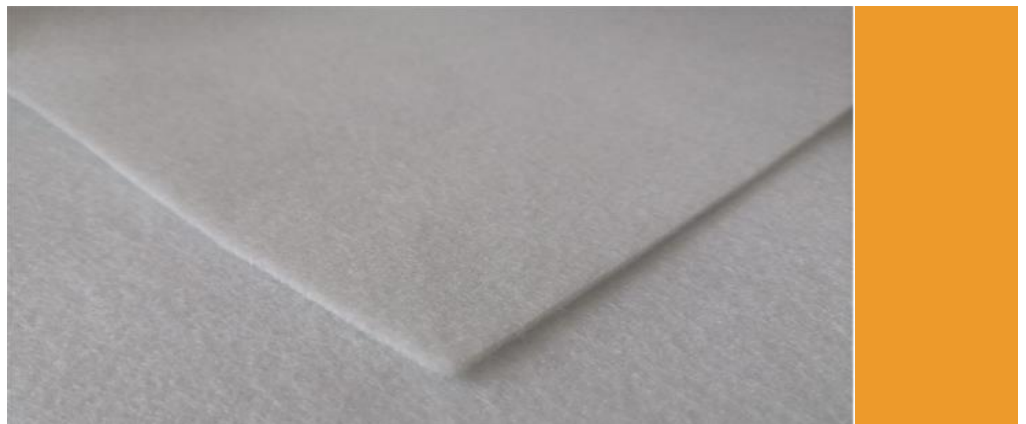


1021 - CPR – 100-1/17



STANDARD
100

PG035 217550
OETI



- 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



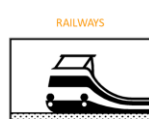
REINFORCEMENT

Use:



ROADS AND OTHER
TRAFFICKED AREAS

EN 13249:2016



RAILWAYS

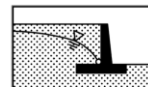
EN 13250:2016

EARTHWORKS, FOUNDATIONS,
AND RETAINING WALLS



EN 13251:2016

DRAINAGE
SYSTEMS

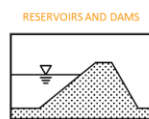


EN 13252:2016

EROSION
CONTROL

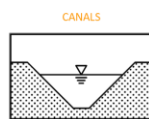


EN 13253:2016



RESERVOIRS AND DAMS

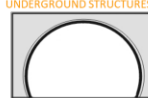
EN 13254:2016



CANALS

EN 13255:2016

TUNNELS AND
UNDERGROUND STRUCTURES



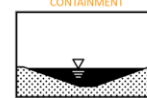
EN 13256:2016

SOLID WASTE DISPOSALS



EN 13257:2016

LIQUID WASTE
CONTAINMENT



EN 13265:2016

Material specification sheet

Date: 3.4. 2023

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

SINCE
1950

TRADITIONAL QUALITY NONWOVENS

MOKRUTEX HQ PP K

Calendered nonwoven geotextile

MOKRUTEX HQ PP K		100	150	180	200	250	270	300	400	500	
PHYSICAL PROPERTIES											
Weight [$\pm 10\%$] / EN ISO 9864	g/m ²	100	150	180	200	250	270	300	400	500	
Thickness 2 kPa [$\pm 15\%$] / 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 strength / 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
Elongation [$\pm 15\%$] / EN ISO 10319	MD CMD	%	50	55	65	65	65	65	65	70	70
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 [$\pm 15\%$] / EN ISO 12958	20 kPa 100 kPa 200 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
Water permeability in the plane (longitudinal direction) gradient 1 [$\pm 15\%$] / EN ISO 12958	20 kPa 100 kPa 200 kPa	l/m.s	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
Water permeability in the plane (longitudinal direction) gradient 1 [$\pm 15\%$] / EN ISO 12958	20 kPa 100 kPa 200 kPa	l/m.s	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 [$\pm 15\%$] / EN ISO 12958	20 kPa 100 kPa 200 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
Water permeability in the plane (longitudinal direction) gradient 1 [$\pm 15\%$] / EN ISO 12958	20 kPa 100 kPa 200 kPa	l/m.s	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
Water permeability in the plane (longitudinal direction) gradient 1 [$\pm 15\%$] / EN ISO 12958	20 kPa 100 kPa 200 kPa	l/m.s	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
Protection efficiency [$\pm 10\%$] / 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	
Drainage	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 length	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.