



SINCE
1950

MOKRUTEX PES

Nonwoven needle punched geotextile



1021 - CPR – 100-1/17



STANDARD
100

PG035 217550
OETI



STANDARD
100

PG035 217573
OETI



- Characteristic:** Nonwoven textile mechanically bonded by needle punching
- Material content:** 100% Polyester
- Color:** Various
- Weight:** 150 - 1000 g/m²
- Maximum width:** 4 m
- Function:**



SEPARATION



FILTRATION

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 and ISO 50001

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TRADITIONAL QUALITY NONWOVENS

Material specification sheet

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MOKRUTEX PES		150	200	250	300	350	400	500	600	700	800	900	1000	
PHYSICAL PROPERTIES														
Weight ($\pm 10\%$) / EN ISO 9864	g/m ²	150	200	250	300	350	400	500	600	700	800	900	1000	
Thickness 2 kPa [$\pm 15\%$] / EN ISO 9863-1	mm	2,4	2,7	3	3,3	3,5	3,8	4,3	4,6	5	5,6	6,2	6,9	
MECHANICAL PROPERTIES														
Tensile strenght / EN ISO 10319	MD CMD	kN/m	3,5 -0,5 5,5 -0,5	4,5 -0,5 6,5 -0,5	5,5 -0,5 8,5 -0,5	7 -1 10 -1	8 -1 13 -1	11 -2 16 -2	15 -2 20 -2	17 -2 24 -2	19 -2 28 -2	23 -3 33 -3	26 -3 36 -3	28 -3 39 -3
Elongation [$\pm 20\%$] / EN ISO 10319	MD CMD	%	80 80	90 90	90 90	90 90	95 90	95 90	100 100	90 90	90 90	95 95	95 90	95 90
1021 - CPR – 100-1/17		kN	0,7 -0,1	0,9 -0,1	1,1 -0,1	1,3 -0,1	1,5 -0,1	2 -0,2	2,4 -0,2	2,8 -0,2	3,2 -0,2	3,8 -0,2	4,4 -0,2	5,1 -0,2
Dynamic perforation test (cone drop test) / EN ISO 13433		mm	31 +4	21 +3	18 +2,0	15 +2	11 +2,0	7 +2,0	4 +2,0	2 +2,0	2 +2,0	0 +2	-1 +2	-2 +2
HYDRAULIC PROPERTIES														
Characteristic opening size O_{90} / EN ISO 12956		μm	81 ± 15	94 ± 20	94 ± 15	74 ± 15	74 ± 15	76 ± 15	76 ± 15	64 ± 15	64 ± 15	64 ± 15	66 ± 15	
Water permeability normal to the plane V_{H50} / EN ISO 11058		l/m ² ·s	48,2 -20	68,9 -0,2	68,9 -20	50,6	50,6 -20	50,7 -20	50,7 -20	50,7 -20	17 -20	17 -20	17 -20	18,4 -20
ENDURANCE														
Resistance to hydrolysis / EN 12447		%	>81,3	>81,3	>81,3	>81,3	>81,3	>81,3	>81,3	>81,3	>81,3	>81,3	>81,3	
Resistance to weathering / EN ISO 12224			Cover on day 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	X	X	X	X	X	X	X	X	X
Filtration	F		X	X	X	X	X	X	X	X	X	X	X	X
Drainage	D													
Reinforcement	R													
Protection	P													
CHARACTERISTICS														
Description			Nonwoven textile mechanically bonded by needle punching											
Material content			100 % polyester											
Color			Various											
DIMENSION, PACKAGING AND STORAGE														
Roll width	m		4	4	4	4	4	4	4	4	4	4	4	4
Roll length	m		50	50	50	50	50	50	25	25	25	25	25	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.