



SINCE  
1950

# TRADITIONAL QUALITY NONWOVENS

## MOKRUTEX PP

Nonwoven needle punched geotextile



1021 - CPR – 100-1/17



- Characteristic:** Nonwoven textile mechanically bonded by needle punching
- Material content:** Recycled polypropylen
- Colour:** Various
- Weight:** 200 - 1000 g/m<sup>2</sup>
- Maximum width:** 4 m
- Certification:** Management system according to standards ISO 9001, ISO 14001, ISO 45001 and ISO 50001

**Funktion:**



SEPARATION



FILTRATION



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: 1. 10. 2021

No: G-004-7

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MOKRUTEX PP		200	250	300	350	400	500	600	700	800	900	1000	
<b>PHYSICAL PROPERTIES</b>													
Weight [±10 %] / EN ISO 9864	g/m <sup>2</sup>	200	250	300	350	400	500	600	700	800	900	1000	
Thickness 2 kPa [±15 %] / EN ISO 9863-1	mm	2,9	3,3	3,8	3,9	4,1	4,3	4,9	5,6	5,7	5,8	6,3	
<b>MECHANICAL PROPERTIES</b>													
Tensile strength / EN ISO 10319	MD CMD	kN/m	5,7 -0,5 7,7 -0,5	7,5 -0,5 9,5 -0,5	10 -1 15 -1	11 -1 17 -1	12 -1 19 -1	13 -1 21 -1	16 -2 24 -2	18 -2 26 -2	18 27 -2	19 -3 22 -3	22 -3 24 -3
Elongation [±20 %] / EN ISO 10319	MD CMD	%	90 90	90 90	100 100	100 100	105 100	110 90	110 85	120 130	125 130	130 130	135 130
Resistance to static puncture (CBR test) / EN ISO 12236		kN	1,1 -0,1	1,5 -0,1	1,9 -0,2	2,2 -0,2	2,7 -0,2	2,9 -0,2	3,2 -0,2	3,5 -0,2	3,6 -0,2	3,7 -0,2	4,2 -0,2
Dynamic perforation test (cone drop test) / EN ISO 13433		mm	10 +5	8 +4	6 +3	5 +3	5 +2	4 +2	3 +2	1 +2	1 +2	0 +2	0 +2
<b>HYDRAULIC PROPERTIES</b>													
Characteristic opening size O <sub>90</sub> / EN ISO 12956		μm	85 ±15	91 ±15	85 ±15	85 ±15	79 ±15	79 ±15	79 ±15	71 ±15	71 ±15	71 ±15	71 ±15
Water permeability normal to the plane V <sub>H50</sub> / EN ISO 11058		l/m <sup>2</sup> ·s	83,3 -20	45,7 -20	67,1 -20	67,1 -20	36,1 -20	36,1 -20	36,1 -20	20,3 -20	20,3 -20	20,3 -20	20,3 -20
<b>ENDURANCE</b>													
Resistance to oxidation [±10 %] / EN ISO 13438	MD CMD	%	92,7 94,5	92,7 94,5	92,7 94,5	92,7 94,5	92,7 94,5	92,7 94,5	92,7 94,5	92,7 94,5	92,7 94,5	92,7 94,5	
Resistance to weathering / EN ISO 12224	Cover on day of lay down												
Life expectancy	Min. 25 years in natural soils with 4<pH<9 with soil temperature < 25 °C.												
<b>FUNCTION</b>													
Separation	S	X	X	X	X	X	X	X	X	X	X	X	
Filtration	F	X	X	X	X	X	X	X	X	X	X	X	
Drainage	D												
Reinforcement	R	X	X	X	X	X	X	X	X	X	X	X	
Protection	P												
<b>CHARACTERISTICS</b>													
Description	Nonwoven textile mechanically bonded by needle punching												
Material content	100 % recycled polypropylen												
Colour	Various												
<b>DIMENSION, PACKAGING AND STORAGE</b>													
Roll width	m	4	4	4	4	4	4	4	4	4			
Roll length	m	50	50	50	50	50	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.