



SINCE  
**1950**

TADDITIONAL

QUALITY

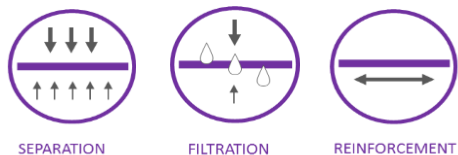
**UNTEX PP**

Nonwoven needle punched textile

NONWOVENS



- Characteristic:** Nonwoven textile mechanically bonded by needle punching  
**Material content:** 100% polypropylen  
**Color:** Various  
**Weight:** 200 - 1000 g/m<sup>2</sup>  
**Maximum width:** 4 m  
**Function:**



- Use:** Geotextiles in construction industry, as cleaning textile in various industry sectors and as protection layer in packaging.



Material specification sheet

Date: 22. 5. 2023

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

## UNTEX PP

Nonwoven needle punched textile

UNTEX 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 strenght / 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	20-2 29-2	23-3 32-3	25-3 34-3
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>50</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>L50</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	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	X
Filtration	F	X	X	X	X	X	X	X	X	X	X	X	X
Dranaige	D												
Reinforcement	R	X	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 % polypropylen												
Color	Various												
<b>DIMENSION, PACKAGING AND STORAGE</b>													
Roll width	m	4	4	4	4	4	4	4	4	4	4	4	4
Roll lenght	m	50	50	50	50	50	25	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.