



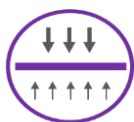
SINCE
1950

UNTEX PP

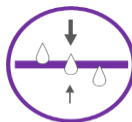
Nonwoven needle punched textile



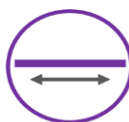
- Characteristic:** Nonwoven textile mechanically bonded by needle punching
- Material content:** 100% polypropylen
- Color:** Various
- Weight:** 200 - 1000 g/m²
- Maximum width:** 6 m
- Function:**



SEPARATION



FILTRATION



REINFORCEMENT

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



Material specification sheet

Date: 15. 09. 2025

UNTEX PP

Nonwoven needle punched textile

UNTEX PP			200	250	300	350	400	500	600	700	800	900	1000
PHYSICAL PROPERTIES													
Weight [±10 %] / EN ISO 9864	g/m ²		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
MECHANICAL PROPERTIES													
Tensile strenght / EN ISO 10319	MD	kN/m	5,7 -0,5	7,5 -0,5	10 -1	11 -1	12 -1	13 -1	16 -2	18 -2	20 -2	23 -3	25 -3
	CMD		7,7 -0,5	9,5 -0,5	15 -1	17 -1	19 -1	21 -1	24 -2	26 -2	29 -2	32 -3	34 -3
Elongation [±20 %] / EN ISO 10319	MD	%	90	90	100	100	105	110	110	120	125	130	135
	CMD		90	90	100	100	100	90	85	130	130	130	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
HYDRAULIC PROPERTIES													
Characteristic opening size O ₉₀ / 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 _{LH50} / EN ISO 11058		l/m ² ·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
ENDURANCE													
Resistance to oxidation [±10 %] / EN ISO 13438	MD	%	92,7	92,7	92,7	92,7	92,7	92,7	92,7	92,7	92,7	92,7	92,7
	CMD		94,5	94,5	94,5	94,5	94,5	94,5	94,5	94,5	94,5	94,5	94,5
Resistance to weathering / EN ISO 12224			Cover on day of lay down										
Life expectancy			Min. 50 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
Filtration	F		X	X	X	X	X	X	X	X	X	X	X
Drainaige	D												
Reinforcement	R		X	X	X	X	X	X	X	X	X	X	X
Protection	P												
CHARACTERISTICS													
Description			Nonwoven textile mechanically bonded by needle punching										
Material content			100 % polypropylen										
Color			Various										
DIMENSION, PACKAGING AND STORAGE													
Roll width	m		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
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.