



SINCE  
**1950**

TADITIONAL

QUALITY

## UNTEX PP

Nonwoven needle punched textile

NONWOVENS

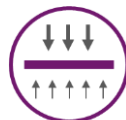


- Characteristic:** Nonwoven textile mechanically bonded by needle punching
- Material content:** Recycled polypropylen
- Colour:** Various
- Weight:** 200 - 1000 g/m<sup>2</sup>
- Maximum width:** 4 m
- Certification:** Management system according to standards ISO 9001, ISO 14001, ISO 45001 and ISO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

**Funktion:**



PROTECTION



SEPARATION

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



PACKAGING



INDUSTRY



CONSTRUCTION  
INDUSTRY

**Material specification sheet**

Date: 07. 06. 2019

No: T-003-1

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# TRADITIONAL QUALITY NONWOVENS

Material specification sheet

Date: 07. 06. 2019

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## 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            | 4,1          | 4,5          | 4,9          | 5,4          | 5,8          | 6,3          |              |
| <b>MECHANICAL PROPERTIES</b>   |   |         |                    |                    |              |              |              |              |              |              |              |              |              |
| Tensile strenght / EN ISO 10319  | MD<br>CMD   | kN/m    | 3,1-0,5<br>4,1-0,5 | 4,5-0,5<br>5,5-0,5 | 8-1<br>9-1   | 8-1<br>10-1  | 9-1<br>10-1  | 9-1<br>12-1  | 12-2<br>15-2 | 14-2<br>17-2 | 16-2<br>19-2 | 19-3<br>22-3 | 22-3<br>24-3 |
| Elongation [±20 %] / EN ISO 10319                                      | MD<br>CMD   | %       | 80<br>80           | 90<br>70           | 80<br>80     | 105<br>130   | 105<br>130   | 90<br>90     | 105<br>130   | 120<br>130   | 125<br>130   | 130<br>130   | 135<br>130   |
| Resistance to static puncture (CBR test) / EN ISO 12236                | kN  | 0,7-0,1 | 1-0,1              | 1,2-0,2            | 1,4-0,2      | 1,6-0,2      | 2-0,2        | 2,5-0,2      | 2,9-0,2      | 3,3-0,2      | 3,7-0,2      | 4,2-0,2      |              |
| Dynamic perforation test (cone drop test) / EN ISO 13433               | mm  | 20+5    | 16+4               | 9+3                | 9+3          | 10+2         | 7+2          | 7+2          | 4+2          | 4+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       | 85 ±15       | 79 ±15       | 71 ±15       | 71 ±15       | 71 ±15       | 69 ±15       |              |
| Water permeability normal to the plane V <sub>H50</sub> / EN ISO 11058 | l/m <sup>2</sup> ·s   | 83,3    | 45,7               | 67,1               | 67,1         | 36,1         | 67,1         | 36,1         | 20,3         | 20,3         | 20,3         | 16,4         |              |
| <b>ENDURANCE</b>   |   |         |                    |                    |              |              |              |              |              |              |              |              |              |
| Resistance to oxidation [±10 %] / EN ISO 13438                         | MD<br>CMD   | %       | 92,7<br>94,5       | 92,7<br>94,5       | 92,7<br>94,5 | 92,7<br>94,5 | 92,7<br>94,5 | 92,7<br>94,5 | 92,7<br>94,5 | 92,7<br>94,5 | 92,7<br>94,5 | 92,7<br>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            |              |
| Dranaige   | 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 lenght  | 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.