



SINCE  
**1950**

# MOKRUTEX PP

Nonwoven needle punched geotextile



1021 - CPR – 100-1/17



STANDARD  
100

PG035 217550  
OETI



- Characteristic:** Nonwoven textile mechanically bonded by needle punching
- Material content:** 100% Polypropylene
- Color:** Various
- Weight:** 200 - 1000 g/m<sup>2</sup>
- Maximum width:** 6,5 m
- Function:**



SEPARATION



FILTRATION



REINFORCEMENT

### Use:

|  |                               |  |  |  |
|--|-------------------------------|--|--|--|
| <br>ROADS AND OTHER<br>TRAFFICKED AREAS<br>EN 13249:2016 | <br>RAILWAYS<br>EN 13250:2016 | <br>EARTHWORKS, FOUNDATIONS,<br>AND RETAINING WALLS<br>EN 13251:2016 | <br>DRAINAGE<br>SYSTEMS<br>EN 13252:2016   | <br>EROSION<br>CONTROL<br>EN 13253:2016          |
| <br>RESERVOIRS AND DAMS<br>EN 13254:2016                 | <br>CANALS<br>EN 13255:2016   | <br>TUNNELS AND<br>UNDERGROUND STRUCTURES<br>EN 13256:2016           | <br>SOLID WASTE DISPOSALS<br>EN 13257:2016 | <br>LIQUID WASTE<br>CONTAINMENT<br>EN 13265:2016 |

Material specification sheet

Date: 3. 4. 2023

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

SINCE  
1950TRADITIONAL  
QUALITY  
NONWOVENS

Material specification sheet

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| MOKRUTEX PP   |  | 200                | 250                  | 300                  | 350            | 400            | 500            | 600            | 700            | 800            | 900            | 1000           |                |
|---|--|--------------------|----------------------|----------------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|
| <b>PHYSICAL PROPERTIES</b>                                      |  |                    |                      |                      |                |                |                |                |                |                |                |                |                |
| Weight [ $\pm 10\%$ ] / EN ISO 9864                             | g/m <sup>2</sup>   | 200                | 250                  | 300                  | 350            | 400            | 500            | 600            | 700            | 800            | 900            | 1000           |                |
| Thickness 2 kPa [ $\pm 15\%$ ] / EN ISO 9863-1                  | mm   | 2,7                | 3                    | 3,3                  | 3,6            | 3,9            | 4,3            | 4,9            | 5,6            | 5,7            | 5,8            | 6,3            |                |
| <b>MECHANICAL PROPERTIES</b>                                    |  |                    |                      |                      |                |                |                |                |                |                |                |                |                |
| Tensile strenght / EN ISO 10319                                 | MD<br>CMD  | kN/m               | 7,7 -0,5<br>7,7 -0,5 | 9,5 -0,5<br>9,5 -0,5 | 16 -1<br>16 -1 | 17 -1<br>17 -1 | 19 -1<br>19 -1 | 21 -1<br>21 -1 | 24 -2<br>24 -2 | 26 -2<br>26 -2 | 29 -2<br>29 -2 | 32 -3<br>32 -3 | 34 -3<br>34 -3 |
| Elongation [ $\pm 20\%$ ] / EN ISO 10319                        | MD<br>CMD  | %                  | 90<br>90             | 90<br>90             | 90<br>90       | 90<br>90       | 90<br>90       | 95<br>90       | 95<br>90       | 95<br>90       | 95<br>90       | 95<br>90       | 95<br>90       |
| Resistance to static puncture (CBR test) / EN ISO 12236         |  | kN                 | 1,5 -0,1             | 1,9 -0,1             | 2,3 -0,1       | 2,6 -0,2       | 3,0 -0,2       | 3,5 -0,2       | 3,8 -0,2       | 4,1 -0,2       | 4,4 -0,2       | 4,7 -0,2       | 5,0 -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 $O_{90}$ / EN ISO 12956             |  | $\mu\text{m}$      | 85 $\pm 15$          | 91 $\pm 15$          | 85 $\pm 15$    | 85 $\pm 15$    | 79 $\pm 15$    | 79 $\pm 15$    | 79 $\pm 15$    | 71 $\pm 15$    | 71 $\pm 15$    | 71 $\pm 15$    | 71 $\pm 15$    |
| Water permeability normal to the plane $V_{H50}$ / 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 [ $\pm 10\%$ ] / 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   | 92,7<br>94,5   |
| 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.                    |                    |                      |                      |                |                |                |                |                |                |                |                |                |
| <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 % polypropylen   |                    |                      |                      |                |                |                |                |                |                |                |                |                |
| Color   | Various  |                    |                      |                      |                |                |                |                |                |                |                |                |                |
| <b>DIMENSION, PACKAGING AND STORAGE</b>                         |  |                    |                      |                      |                |                |                |                |                |                |                |                |                |
| Roll width  | m  |                    | 6,5                  | 6,5                  | 6,5            | 6,5            | 6,5            | 6,5            | 6,5            | 6,5            | 6,5            | 6,5            | 6,5            |
| 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.