



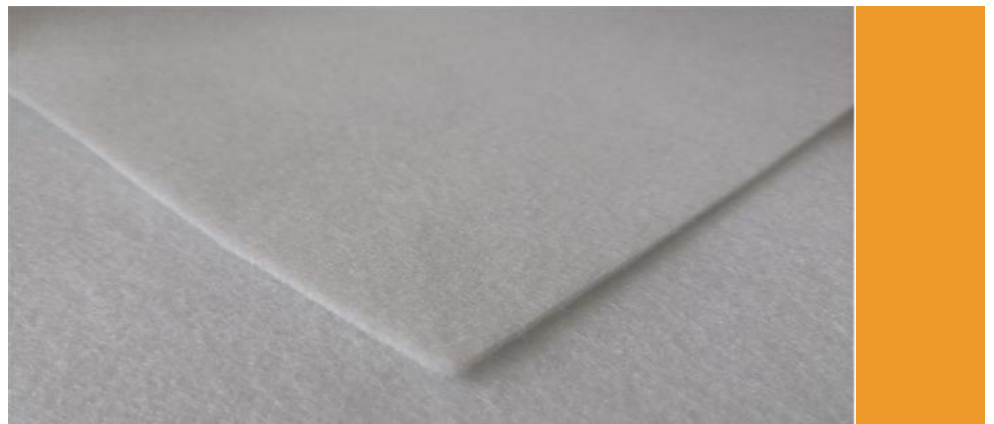
SINCE
1950

MOKRUTEX HQ PES K

Calendered nonwoven geotextile



1021 - CPR – 100-1/17



- Characteristic:** Nonwoven textile mechanically bonded by needle punching and thermally by calender
- Material content:** 100 % polyester staple fibre
- Color:** White
- Weight:** 200 - 500 g/m²
- Maximum width:** 6,5 m
- Function:**



SEPARATION



FILTRATION



DRAINAGE



PROTECTION

Use:

ROADS AND OTHER TRAFFICKED AREAS



EN 13249:2016

RAILWAYS



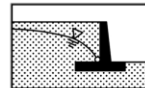
EN 13250:2016

EARTHWORKS, FOUNDATIONS, AND RETAINING WALLS



EN 13251:2016

DRAINAGE SYSTEMS



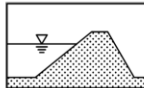
EN 13252:2016

EROSION CONTROL



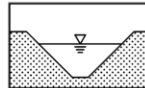
EN 13253:2016

RESERVOIRS AND DAMS



EN 13254:2016

CANALS



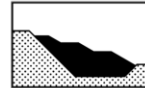
EN 13255:2016

TUNNELS AND UNDERGROUND STRUCTURES



EN 13256:2016

SOLID WASTE DISPOSALS



EN 13257:2016

LIQUID WASTE CONTAINMENT



EN 13265:2016

Material specification sheet

Date: 6.9. 2023

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

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TRADITIONAL QUALITY NONWOVENS

Material specification sheet

Date: 6.9. 2023

MOKRUTEX HQ PES K

Calendered nonwoven geotextile

| MOKRUTEX HQ PES K | | | 200 | 300 | 500 |
|--|--|---------------------|---|--|--|
| PHYSICAL PROPERTIES | | | | | |
| Weight [± 10 %] / EN ISO 9864 | | g/m ² | 200 | 300 | 500 |
| Thickness 2 kPa [± 15 %] / EN ISO 9863-1 | | mm | 1 | 1,2 | 2,1 |
| MECHANICAL PROPERTIES | | | | | |
| Tensile strenght / EN ISO 10319 | MD CMD | kN/m | 7-1 | 11-1 | 21-2 |
| Elongation [± 20 %] / EN ISO 10319 | MD CMD | % | 75 90 | 75 90 | 80 90 |
| Resistance to static puncture - CBR test / EN ISO 12236 | | kN | 1-0,1 | 1,7-0,1 | 3,1-0,2 |
| Dynamic perforation test (cone drop test) / EN ISO 13433 | | mm | 24+2 | 18+2 | 9+1 |
| Pyramid puncture resistance [-20] / EN ISO 14574 | | N | 193 | 230 | 349 |
| HYDRAULIC PROPERTIES | | | | | |
| Characteristic opening size 090 / EN ISO 12956 [± 15 %] | | μm | 79 | 75 | 61 |
| Water permeability normal to the plane VIH50 / EN ISO 11058 | | l/m ² .s | 6,54-2,5 | 3,5-2,1 | 2,46-1,2 |
| Water permeability in the plane (longitudinal direction) gradient 0,1 [± 15 %] / EN ISO 12958 | 20 kPa 100 kPa 200 kPa | l/m.s | $1,39 \cdot 10^{-4}$ $6,28 \cdot 10^{-5}$ $3,28 \cdot 10^{-5}$ | $2,41 \cdot 10^{-4}$ $8,52 \cdot 10^{-5}$ $5,18 \cdot 10^{-5}$ | $3,15 \cdot 10^{-4}$ $1,9 \cdot 10^{-4}$ $1,42 \cdot 10^{-4}$ |
| Water permeability in the plane (longitudinal direction) gradient 1 [± 15 %] / EN ISO 12958 | 20 kPa 100 kPa 200 kPa | l/m.s | $1,43 \cdot 10^{-3}$ $6,38 \cdot 10^{-4}$ $2,92 \cdot 10^{-4}$ | $2,27 \cdot 10^{-3}$ $1,06 \cdot 10^{-3}$ $5,61 \cdot 10^{-4}$ | $3,33 \cdot 10^{-3}$ $1,94 \cdot 10^{-3}$ $1,38 \cdot 10^{-3}$ |
| ENDURANCE | | | | | |
| Protection efficiency [± 10 %] / EN 13719 | 300 kPa | % | 2,1 | 1,71 | 1,39 |
| Resistance to weathering 12224 | | / EN ISO | It must be covered on the day after being placed | Must be covered within 2 weeks after being placed | |
| Life expectancy | | | Min. 25 years in natural soils with 4<pH<9 with soil temperature < 25 °C. | | |
| FUNCTION | | | | | |
| Separation | | S | X | X | X |
| Filtration | | F | X | X | X |
| Dranaige | | D | X | X | X |
| Reinforcement | | R | | | |
| Protection | | P | X | X | X |
| CHARACTERISTICS | | | | | |
| Description | Nonwoven textile mechanically bonded by needle punching | | | | |
| Material content | 100 % polyester staple fibre | | | | |
| Color | White,Black | | | | |
| DIMENSION, PACKAGING AND STORAGE | | | | | |
| Roll width | | m | 6,5 | 6,5 | 6,5 |
| Roll lenght | | m | 50 | 50 | 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.