

Bontec® SNW 17

Superior Needle Punched Nonwoven Geotextiles

Technical data sheet

Product description

| Polymer | Density | Melting Point | Construction |
|---------|-------------------------|---------------|--------------|
| PP | 0.91 kg/dm ³ | 165 °C | Fibres |

Properties

| Mechanical Properties | Standard | Performance | Tolerance |
|--|--------------|-------------|-----------|
| Tensile strength - MD | EN ISO 10319 | 10.3 kN/m | -1.3 kN/m |
| Tensile strength - CMD | EN ISO 10319 | 10.3 kN/m | -1.3 kN/m |
| Elongation at maximum load - MD | EN ISO 10319 | 45 % | +/-10,4 % |
| Elongation at maximum load - CMD | EN ISO 10319 | 60 % | +/-13,8 % |
| Static puncture resistance (CBR) | EN ISO 12236 | 1.7 kN | -0.34 kN |
| Dynamic perforation resistance (cone drop) | EN ISO 13433 | 22 mm | +5,5 mm |

| Hydraulic Properties | Standard | Performance | Tolerance |
|--|--------------|--------------------------------------|---------------------------------------|
| Water permeability normal to the plane (Vlh50) | EN ISO 11058 | 100 l/m ² s | -30 l/m ² s |
| Waterflow in the plane, @20 kPa | EN ISO 12958 | 1x10 ⁻⁷ m ² /s | -3x10 ⁻⁸ m ² /s |
| Characteristic Opening Size (O90) | EN ISO 12956 | 110 µm | +/-33,0 µm |

| Physical Properties | Standard | Performance | Tolerance |
|----------------------------------|---------------|----------------------|--------------------------|
| Thickness under 2 kPa | EN ISO 9863-1 | 1.5 mm | +/-0,30 mm |
| Weight | EN ISO 9864 | 150 g/m ² | +/-15,0 g/m ² |
| Length (+/- 1%) x width (+/- 1%) | | 100 x 5.25 m | |
| Roll diameter (+/- 10%) | | 40 cm | |

| Durability | Standard | Performance | |
|---|--|-------------|--|
| Predicted minimal durability in years in natural soils with 4 < pH < 9 and soil temperatures < 25°C | Applicable application standard: Annex B | 100 | |
| Maximum allowed time between installation and covering of the geosynthetic | EN 12224 | 2 weeks | |

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The Quality Management System of Bonar has been approved to the ISO 9001 Quality Management System Standard. Certificates are available on request.



The information set forth in this data sheet reflects the best knowledge at the time of publication. The document is subject to change pursuant to new developments and findings. The same reservation applies to the properties of the products described. No liability is undertaken for results obtained by usage of the products and information.



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