

# Bontec® SNW 31

## Superior Needle Punched Nonwoven Geotextiles

### Technical data sheet

#### Product description

Polymer	Density	Melting Point	Construction
PP	0.91 kg/dm <sup>3</sup>	165 °C	Fibres

#### Properties

Mechanical Properties	Standard	Performance	Tolerance
Tensile strength - MD	EN ISO 10319	17.8 kN/m	-2.3 kN/m
Tensile strength - CMD	EN ISO 10319	17.8 kN/m	-2.3 kN/m
Elongation at maximum load - MD	EN ISO 10319	50 %	+/-11,5 %
Elongation at maximum load - CMD	EN ISO 10319	60 %	+/-13,8 %
Static puncture resistance (CBR)	EN ISO 12236	3.1 kN	-0.62 kN
Dynamic perforation resistance (cone drop)	EN ISO 13433	13 mm	3.3 mm

Hydraulic Properties	Standard	Performance	Tolerance
Water permeability normal to the plane (Vlh50)	EN ISO 11058	70 l/m <sup>2</sup> s	-21 l/m <sup>2</sup> s
Waterflow in the plane, @20 kPa	EN ISO 12958	2,0 x10 <sup>-6</sup> m <sup>2</sup> /s	-6x10 <sup>-7</sup> m <sup>2</sup> /s
Characteristic Opening Size (O90)	EN ISO 12956	95 µm	+/-28,5 µm

Physical Properties	Standard	Performance	Tolerance
Thickness under 2 kPa	EN ISO 9863-1	2.2 mm	+/-0,44 mm
Weight	EN ISO 9864	250 g/m <sup>2</sup>	+/-25,0 g/m <sup>2</sup>
Length (+/- 1%) x width (+/- 1%)		100 x 5.25 m	
Roll diameter (+/- 10%)		50 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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