

# Bontec® NW 16

Needle punched and thermally bonded Nonwoven

## 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	16 kN/m	-2,1 kN/m
Tensile strength - XD	EN ISO 10319	16 kN/m	-2,1 kN/m
Elongation at break - MD	EN ISO 10319	45 %	+/-10,4 %
Elongation at break - XD	EN ISO 10319	55 %	+/-12,7 %
Static puncture resistance (CBR)	EN ISO 12236	2,4 kN	-0,24 kN
Dynamic perforation resistance (cone drop)	EN ISO 13433	19 mm	+4,8 mm

Hydraulic Properties	Standard	Performance	Tolerance
Water permeability normal to the plane (Vih50)	EN ISO 11058	85x10 <sup>-3</sup> m/s	-26x10 <sup>-3</sup> m/s
Waterflow in the plane @20 kPa	EN ISO 12958	1x10 <sup>-6</sup> m <sup>2</sup> /s	-10 % log g m <sup>2</sup> /s
Characteristic Opening Size (O90)	EN ISO 12956	85 µm	+/-26,0 µm

Physical Properties	Standard	Performance	Tolerance
Thickness under 2 kPa	EN ISO 9863-1	1,25 mm	+/-0,25 mm
Weight	EN ISO 9864	200 g/m <sup>2</sup>	+/-20,0 g/m <sup>2</sup>
Length x width		100 x 5,25 m	
Roll Diameter (+/- 10%)		37 cm	

Durability	Standard	Performance	
Predicted minimal durability in years in natural soils with 4 < pH < 9 and soil temperatures < 25°C	Annex B	25	

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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