

# Bontec® SG 20/20 F

## Polypropylene Woven Geotextiles

### Technical data sheet

#### Product description

Polymer	Density	Melting Point	Construction
100% Polypropylene	0,91 kg/dm <sup>3</sup>	165 °C	Tapes

#### Properties

Mechanical Properties	Standard	Performance	Tolerance
Tensile strength - MD	EN ISO 10319	20 kN/m	-2,6 kN/m
Tensile strength - CMD	EN ISO 10319	20 kN/m	-2,6 kN/m
Elongation at maximum load - MD	EN ISO 10319	28 %	+/-6,4 %
Elongation at maximum load - CMD	EN ISO 10319	28 %	+/-6,4 %
Static puncture resistance (CBR)	EN ISO 12236	2,4 kN	-0,24 kN
Dynamic perforation resistance (cone drop)	EN ISO 13433	16 mm	+4 mm

Hydraulic Properties	Standard	Performance	Tolerance
Water permeability normal to the plane (Vlh50)	EN ISO 11058	10 l/m <sup>2</sup> s	-3 l/m <sup>2</sup> s
-	-	-	-
Characteristic Opening Size (O90)	EN ISO 12956	250 µm	+/-75 µm

Physical Properties	Standard	Performance	Tolerance
Thickness under 2 kPa	EN ISO 9863-1	0,5 mm	+/-0,10 mm
Weight	EN ISO 9864	108 g/m <sup>2</sup>	+/-10,8 g/m <sup>2</sup>
Length (+/- 1%) x width (+/- 1%)		100 x 5,25 m	
Roll diameter (+/- 10%)		32 cm	

Durability	Standard	Performance	
Predicted minimal durability in years in natural soils with 4 < pH < 9 and soil temperatures < 25°C	EN ISO 13438 - A2	25	
Maximum allowed time between installation and covering of the geosynthetic	EN 12224	2 weeks	

Version date : 4/02/2015

Version n° : 1

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



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