

Bontec® TS 3

Needle punched and thermally bonded Nonwoven
Geotextiles

Technical data sheet

Product description

Polymer	Density	Melting Point	Construction
PP	0,91 kg/dm³	165 °C	Fibres

Properties

Mechanical Properties	Standard	Performance	Tolerance
Tensile strength - MD	EN ISO 10319	16,7 kN/m	-1,7 kN/m
Tensile strength - CMD	EN ISO 10319	16,7 kN/m	-1,7 kN/m
Elongation at maximum load - MD	EN ISO 10319	45 %	+20,0/-9,0 %
Elongation at maximum load - CMD	EN ISO 10319	50 %	+20,0/-10,0 %
Static puncture resistance (CBR)	EN ISO 12236	2,35 kN	-0,24 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 (vh50)	EN ISO 11058	55 l/m²s	-17 l/m²s
Waterflow in the plane, @20 kPa	EN ISO 12958	-	-
Characteristic Opening Size (O90)	EN ISO 12956	85 µm	+/- 25,5 µm

Physical Properties	Standard	Performance	Tolerance
Thickness under 2 kPa	EN ISO 9863-1	1,1 mm	+/-0,22 mm
Weight	EN ISO 9864	195 g/m²	+/-19,5 g/m²
Length (+/- 1%) x width (+/- 1%)		190 x 5,25 m	
Roll diameter (+/- 10%)		47 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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