

TenCate Geolon® PE

Technical Data

TenCate Geolon® PE woven geotextiles are engineered materials suitable for short and long term filter applications. They are composed of high density polyethylene fibres, assembled to form a structured and stable woven geotextile.



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Properties [Standard]	Unit		PE 180	PE 525	PE 1000
Hydraulic Properties					
Water permeability normal to the plane [EN ISO 11058 – Δh = 50 mm]		l/m²s (mm/s)	100	300	350
Characteristic opening size O ₉₀ [EN ISO 12956]		micron	210	350	600
Mechanical Properties					
Tensile strength [EN ISO 10319]	MD	kN/m	50	44	41
	CD	kN/m	42	35	35
Elongation at nominal strength [EN ISO 10319]	MD	%	24	34	31
	CD	%	15	25	20
Static puncture resistance (CBR-value) [EN ISO 12236]		kN	5	4	3.5
Dynamic perforation (cone drop) [EN ISO 13433]		mm	9	12	12
Forms of Supply					
Roll width		m	5.05	5.05	5.05
Roll length		m	100	100	100
Roll weight [indicative]		kg	130	105	110

MD = machine direction / CD = cross direction

The values given are average values obtained in our laboratories and in accredited testing institutes. The information given in this datasheet is to the best of our knowledge true and correct. However new research results and practical experience can make revisions necessary. The right is reserved to make changes without notice at any time. No guarantee or liability can be drawn from the information mentioned herein.

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