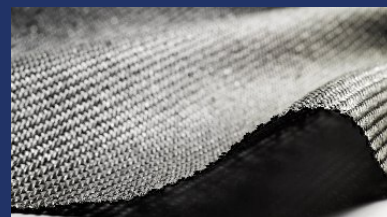


# TenCate Geolon® PP

## Technical Data

TenCate Geolon® PP woven geotextiles are engineered materials suitable for subgrade stabilisation and base reinforcement applications. They are composed of high modulus polypropylene fibres, assembled to form a structured and stable woven geotextile.



TenCate Geolon® PP

Properties [Standard]	Unit	PP 15	PP 25	PP 40	PP 60	PP 80	PP 100S	PP 120S	PP 200	
<b>Mechanical Properties</b>										
Tensile strength [EN ISO 10319]	MD	kN/m	16	25	40	63	84	110	135	220
	min	kN/m	14	22	38	60	80	100	120	200
	CD	kN/m	16	25	40	57	84	105	125	45
	min	kN/m	14	22	37	54	76	93	110	40
Elongation at nominal strength [EN ISO 10319]	MD	%	17	15	17	8	8	9	9	9
	CD	%	13	11	12	8	8	9	9	10
Tensile strength at 2% 3% 5% [EN ISO 10319]	MD & CD	kN/m	-	-	-	15	20	23	26	60
	MD & CD	kN/m	-	-	-	22	30	35	39	90
	MD & CD	kN/m	-	-	-	42	56	65	75	150
Static puncture resistance (CBR) [EN ISO 12236]		kN	2.3	3.0	5	6	8	10	12	10
Dynamic perforation (cone drop) [EN ISO 13433]		mm	19	12	11	10	9	8	7	8
<b>Hydraulic Properties</b>										
Water permeability normal to the plane [EN ISO 11058 - dh = 50 mm]		l/m <sup>2</sup> s (mm/s)	12	7	13	25	20	15	13	10
Characteristic opening size O <sub>90</sub> [EN ISO 12956]		micron	250	250	250	270	275	200	180	250
<b>Forms of Supply</b>										
Roll width		m	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2
Roll length		m	100	100	100	200	200	200	200	200
Roll weight		kg	60	80	125	275	380	480	500	560

MD = machine direction / CD = cross direction

min: These values are given within the 95% confidence level.

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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