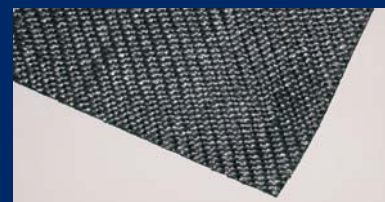


Geolon® PP - Geotextiles

Technical Data

TenCate Polyfelt Geolon® PP woven biaxial 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 Polyfelt Geolon® PP

Properties <small>[Standard]</small>	Unit	PP 15	PP 25	PP 40	PP 60	PP 80	PP 100S	PP 120S	
Mechanical Properties									
Tensile strength <small>[EN ISO 10319]</small>	MD	kN/m	16	25	40	66	88	110	132
	min	kN/m	14	22	39	60	80	100	120
	CD	kN/m	16	25	40	62	86	105	125
	min	kN/m	14	22	39	54	76	93	111
Elongation at nominal strength <small>[EN ISO 10319]</small>	MD	%	17	15	15	9	9	9	9
	CD	%	12	13	11	9	9	9	9
Tensile strength at 2% 3% 5% <small>[EN ISO 10319]</small>	MD & CD	kN/m	-	-	-	15	20	23	26
	MD & CD	kN/m	-	-	-	22	30	35	39
	MD & CD	kN/m	-	-	-	42	56	65	75
Static puncture resistance (CBR) <small>[EN ISO 12236]</small>		kN	1.5	2.5	4	6	8	10	12
Dynamic perforation (cone drop) <small>[EN ISO 13433]</small>		mm	16	14	11	10	9	8	7
Hydraulic Properties									
Water permeability normal to the plane <small>[EN ISO 11058 - dh = 50 mm]</small>		l/m ² s (mm/s)	10	5	13	25	20	15	13
Characteristic opening size O ₉₀ <small>[EN ISO 12956]</small>		micron	170	150	180	300	275	200	180
Forms of Supply									
Roll width		m	5.2	5.2	5.2	5.2	5.2	5.2	5.2
Roll length		m	200	200	200	200	200	200	200
Roll weight		kg	115	125	220	250	335	480	500

MD = machine direction / CD = cross direction

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

For information concerning long term design strength, friction behaviour or other product properties please contact Ten Cate Geosynthetics.

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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