

Geolon® PE - Geotextiles

Technical Data

TenCate Polyfelt 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.



TenCate Polyfelt Geolon® PE

Properties <small>[Standard]</small>	Unit	PE 180	PE 300	PE 525	PE 1000	
Hydraulic Properties						
Water permeability normal to the plane <small>[EN ISO 11058 - dh = 50 mm]</small>	l/m ² s (mm/s)	30	65	300	385	
Characteristic opening size O ₉₀ <small>[EN ISO 12956]</small>	micron	170	230	350	600	
Mechanical Properties						
Tensile strength <small>[EN ISO 10319]</small>	MD	kN/m	40	40	40	41
	CD	kN/m	50	20	35	35
Elongation at nominal strength <small>[EN ISO 10319]</small>	MD	%	24	20	25	31
	CD	%	24	20	25	20
Static puncture resistance (CBR-value) <small>[EN ISO 12236]</small>	kN	5	4	4	3.5	
Dynamic perforation (cone drop) <small>[EN ISO 13433]</small>	mm	9	12	12	12	
Forms of Supply						
Roll width	m	5.05	5.05	5.05	5.05	
Roll length	m	100	100	100	100	
Roll weight	kg	130	95	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.

TENCATE GEOSYNTHETICS AUSTRIA GMBH

Schachermayerstrasse 18
A-4021 Linz, Austria

Tel. +43 732 6983 0, Fax +43 732 6983 5353
service.at@tencate.com, www.tencate.com

BeNeLux

Tel. +31 546 544 811

service.nl@tencate.com

Bulgaria

Tel. +359 887 116 880

service.bg@tencate.com

Czech Republic

Tel. +420 2 2425 1843

service.cz@tencate.com

France / Africa

Tel. +33 1 34 23 53 63

service.fr@tencate.com

Germany

Tel. +49 6074 3751 50

service.de@tencate.com

Italy / Greece / Turkey

Tel. +39 0362 34 58 12

service.it@tencate.com

Near Middle East

Tel. +44 2920 562 566

service.nme@tencate.com

Poland

Tel. +48 12 268 8375

service.pl@tencate.com

Romania

Tel. +40 21 322 06 08

service.ro@tencate.com

Russia / CIS

Tel. +7 495 739 12 60

service.ru@tencate.com

Scandinavia / Baltics

Tel. +45 4485 7474

service.dk@tencate.com

Spain / Portugal / LAM

Tel. +34 91 650 6461

service.es@tencate.com

Switzerland

Tel. +41 44 318 6590

service.ch@tencate.com

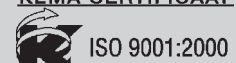
UK / Ireland

Tel. +44 1952 588 066

service.uk@tencate.com



KEMA CERTIFICAAT



RAAD VOOR ACCREDITATIE 0.013

502.176 | 04.2007

Protective & Outdoor Fabrics
Aerospace Composites
Armour Composites

Geosynthetics
Industrial Fabrics
Grass