

# TenCate Rock<sup>®</sup> PEC (ND) Technical Data

## TenCate Rock PEC<sup>®</sup> and TenCate Rock<sup>®</sup> PEC ND

uniaxial geocomposites are engineered materials suitable for short and long term soil reinforcement applications. They are composed of high modulus polyester fibres, attached to a continuous filament nonwoven geotextile backing.



TenCate Rock<sup>®</sup> PEC (ND)

Properties <small>[Standard]</small>	Unit	PEC 40 (ND)	PEC 55 (ND)	PEC 75 (ND)	PEC 95 (ND)	PEC 125 (ND)	PEC 180 (ND)	PEC 230 (ND)
<b>Mechanical Properties</b>								
Tensile strength <small>[EN ISO 10319]</small>	MD	42	58	79	100	132	190	242
	min	40	55	75	95	125	180	230
	CD	12	12	12	12	12	12	12
Elongation at nominal strength <small>[EN ISO 10319]</small>	MD	10	10	10	10	10	10	10
	CD	85	85	85	95	90	95	95
<b>Hydraulic Properties base layer</b>								
Water permeability normal to the plane <small>[EN ISO 11058 - Δh = 50 mm]</small>	l/m <sup>2</sup> s (mm/s)	70	70	70	70	70	70	70
Water flow capacity in the plane <small>[EN ISO 12958]</small>	20 kPa 10 <sup>-7</sup> m <sup>2</sup> /s	20	20	20	20	20	20	20
Characteristic opening size O <sub>90</sub> <small>[EN ISO 12956]</small>	μm	95	95	95	95	95	95	95
<b>Forms of Supply</b>								
Roll width	m	5.3	5.3	5.3	5.3	5.3	5.3	5.3
Roll length	m	100	100	100	100	100	100	100
Roll weight	kg	180	190	200	240	250	285	340

MD = machine direction / CD = cross direction min: These values are given within the 95% confidence level. Other forms of supply as well as grades, adjusted to the requirements of the project, are available on request.

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

### TENCATE GEOSYNTHETICS AUSTRIA GMBH

Schachermayerstr. 18 Tel. +43 732 6983 0, Fax +43 732 6983 5353  
A-4021 Linz, Austria service.at@tencate.com, www.tencategeosynthetics.com

**BeNeLux** Tel. +31 546 544 811 service.nl@tencate.com  
**Central Eastern Europe** Tel. +43 732 6983 0 service.at@tencate.com  
**Czech Republic** Tel. +420 2 2425 1843 service.cz@tencate.com  
**France / Africa** Fax +33 1 34 23 53 48 service.fr@tencate.com  
**Germany** Tel. +49 6074 3751 61 service.de@tencate.com  
**Italy** Tel. +39 0362 34 58 11 service.it@tencate.com  
**Near Middle East** Tel. +971 4810 3295 service.nme@tencate.com

**Poland** Tel. +48 12 268 8375 service.pl@tencate.com  
**Russia / CIS** Tel. +43 732 6983 0 service.ru@tencate.com  
**Scandinavia / Baltics** Tel. +31 546 544 811 geonordic@tencate.com  
**Spain / Portugal** Tel. +34 607 499 962 service.es@tencate.com  
**Turkey** Tel. +43 732 6983 0 service.tr@tencate.com  
**UK / Ireland** Tel. +44 1952 588 066 service.uk@tencate.com



Protective Fabrics  
Outdoor Fabricss  
Advanced Composites  
Advanced Armour

Geosynthetics  
Grass