

TS 1000 (4.51)

Technical Data

TenCate Polyfelt® TS geotextiles are mechanically bonded continuous filament nonwovens from 100% UV stabilized polypropylene.



TenCate Polyfelt® TS

Characteristics		Standards	Unit	TS 1000 (4.51)
Mechanical Properties				
Tensile strength	MD*	EN ISO 10319	kN/m	8
	CD*	EN ISO 10319	kN/m	8
Elongation at maximal load	MD* / CD*	EN ISO 10319	%	90 / 65
CBR puncture resistance		EN ISO 12236	N	1500
Dynamic puncture resistance (cone drop hole – ø)		EN ISO 13433	mm	26
Hydraulic Properties				
Water Permeability normal to the plane ($\Delta h = 50$ mm)		EN ISO 11058	l/m ² s	130
Characteristic Opening Size	O ₉₀	EN ISO 12956	µm	120
Identification Properties				
Mass per unit area	µ _{GT}	EN ISO 9864	g/m ²	105
Thickness under 2 kPa	t _{GT}	EN ISO 9863-1	mm	0,7
Forms of supply				
Width			m	4,5
Length			m	100

* MD = Machine Direction * CD = Cross Direction

The values given are average values obtained in our laboratories and in testing institutes. The right is reserved to make changes without notice at any time.

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.tencategeosynthetics.com

BeNeLux

Central Eastern Europe

Czech Republic

France / Africa

Germany

Italy

Near Middle East

Tel. +31 546 544 811

Tel. +43 732 6983 0

Tel. +420 2 2425 1843

Fax: +33 (0)1 34 23 53 48

Tel. +49 30 3435 02 10

Tel. +39 0362 34 58 11

Tel. +971 4810 3295

service.nl@tencate.com

service.at@tencate.com

service.cz@tencate.com

service.fr@tencate.com

service.de@tencate.com

service.it@tencate.com

service.nme@tencate.com

Poland

Russia / CIS

Scandinavia / Baltics

Spain / Portugal

Turkey

UK / Ireland

Tel. +48 12 268 8375

Tel. +43 732 6983 0

Tel. +31 546 544 811

Tel. +34 607 499 962

Tel.: +43 732 6983 0

Tel. +44 1952 588 066

service.pl@tencate.com

service.ru@tencate.com

geonordic@tencate.com

service.es@tencate.com

service.tr@tencate.com

service.uk@tencate.com



Quality - Environment - Safety

ISO 9001
ISO 14001
OHSAS 18001

www.dekra-eas.com

SP180606

TenCate Geosynthetics Austria Gesm.b.H.,
TenCate Geosynthetics France S.A.S and
TenCate Geosynthetics Netherlands b.v. are
certified for the design, manufacturing and sales
of geotextile and geotextile related products.



Protective Fabrics
Outdoor Fabrics
Aerospace Composites
Advanced Armour

Geosynthetics
Grass