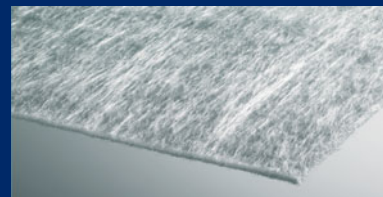


# TS - Separation & Filtration Nonwovens

## Technical Data

TenCate Polyfelt TS geotextiles are mechanically bonded continuous-filament nonwovens manufactured from 100% UV-stabilized polypropylene. They are characterized by a high resistance to installation damage, high water permeability and increased UV-resistance.



TenCate Polyfelt TS

Properties [Standard]	Unit	TS 09	TS 30N	TS 50N	TS 65N	TS 75(5)	
<b>Product description</b>							
Type of product	-	Mechanically bonded continuous-filament nonwoven					
Raw material	-	100% polypropylene, UV-stabilized					
<b>Mechanical properties</b>							
<b>Class</b> [NorGeoSpec]	-	<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>	
Tensile strength [EN ISO 10319]	∅ MD/CD Tolerance	kN/m kN/m	6,7 -0,67	11,2 -1,12	16,7 -1,67	22,3 -2,23	28,9 -2,89
Tensile elongation [EN ISO 10319]	∅ MD/CD Tolerance	% %	72 -14	57 -11	57 -11	57 -11	65 -13
Min. Energy Index [EN ISO 10319]		kN/m	1,8	2,5	3,6	4,8	7,3
CBR puncture resistance [EN ISO 12236]		N Tolerance	1000 -100	1550 -155	2250 -225	2900 -290	4200 -420
Cone drop test (hole diameter) [EN ISO 13433]		mm Tolerance	32 +5	31 +5	22 +4,4	17 +3,4	10 +2
<b>Hydraulical properties</b>							
Opening size [EN ISO 12956]		mm Tolerance	0,155* +0,045/-0,047	0,09 +/-0,027	0,10 +/-0,03	0,095 +/-0,029	0,07 +/-0,021
Vertical permeability [EN ISO 11058]		l/m <sup>2</sup> s Tolerance	140 -42	90 -27	90 -27	80 -24	25 -7,5
<b>Identification properties</b>							
Mass per unit area [EN ISO 9864]		g/m <sup>2</sup> Tolerance	90 +/-10,8	140 +/-17	190 +/-19	255 +/-26	370 +/-37
<b>Forms of supply</b>							
			<b>TS 09(4)</b> <b>TS 09(5.01)</b>	<b>TS 30N(4)</b> <b>TS 30N(5)</b>	<b>TS 50N</b>	<b>TS 65N</b>	<b>TS 75(5)</b>
Width	m		2 4 5	2 4 5	5	5	5
Length	m		200 200 150	150 150 100	100	125	90
Area	m <sup>2</sup>		400 800 750	300 600 500	500	625	450
Roll weight	kg		43 85 83	47 93 78	114	180	180

The values given are indicative and correspond to average values obtained in our laboratories and in testing institutes. Tolerances according to 95% confidence level correspond to NorGeoSpec requirements. The right is reserved to make changes without notice at any time. Other forms of supply are available on request.  
 \*) Opening size of TS 09(5.01) = 0,12 mm

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

**TENCATE GEOSYNTHETICS SCANDINAVIA**  
 Filial of TenCate Geosynthetics Austria GmbH, Østreg  
 Hørkær 12A, 1. Sal, DK-2730 Herlev, Denmark  
 Tel. +45 4485 7474, Fax +45 4485 7470  
 service.dk@tencate.com

