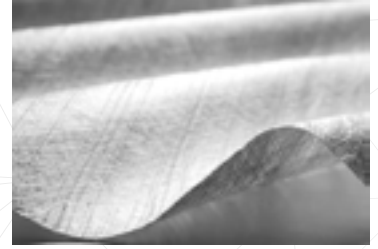


TS SEPARATION & FILTRATION NONWOVENS

Polyfelt TS geotextiles are mechanically bonded continuous filament nonwovens from 100% UV stabilised polypropylene. They are characterised by a high resistance to installation damage high water permeability and increased UV resistance.



PROPERTIES	TEST METHOD	UNITS TS	TS 09 (4)	TS 10 (4.01)	TS 20 (4.01)	TS 30 (4.01)	TS 40	TS 50	TS 60	TS 65	TS 70	TS 80
MECHANICAL PROPERTIES												
TENSILE STRENGTH MD	EN ISO 10319	kN/m	6.7	8	10	12	14	16	20	22	25	29
TENSILE STRENGTH CD	EN ISO 10319	kN/m	6.7	8	10	12	14	16	20	22	25	30
ELONGATION AT MAX.LOAD MD	EN ISO 10319	%	90	90	90	90	95	95	95	95	95	95
ELONGATION AT MAX.LOAD CD	EN ISO 10319	%	70	75	75	75	46	46	46	46	46	46
ENERGY VALUE (MD+CD)/2	EN ISO 10319	kJ/m ²	2.7	3.5	4.3	5.0	5.8	6.2	8.0	9.0	10.5	12.5
STATIC PUNCTURE RESISTANCE (CBR-TEST)	EN ISO 12236	N	1000	1240	1500	1800	2100	2350	3050	3350	3850	4400
CONE DROP TEST (HOLE-Ø)	EN ISO 13433	mm	32	26	24	20	24	22	19	17	15	13
HYDRAULIC PROPERTIES												
PERMEABILITY VERTICAL (Δh=50 mm)	EN ISO 11058	l/m ² s (mm/s)	140	130	115	100	125	115	90	85	80	75
OPENING SIZE O ₉₀	EN ISO 12956	µm	155	120	105	100	100	100	95	95	90	90
IDENTIFICATION PROPERTIES												
THICKNESS	EN ISO 9863-1	2kPa mm	0.7	0.8	0.9	1.2	1.8	1.9	2.4	2.5	2.9	3.3
MASS PER UNIT AREA	EN ISO 9864	g/m ²	90	105	125	155	180	200	260	285	325	385
FORMS OF SUPPLY												
WIDTH		m	2/4	2/4	2/4	2/4	2/4	2/4	2/4	2/4	2/4	2/4
LENGTH		m	200	300	250	225	200	175	135	125	100	90

REGISTERED OFFICE ADDRESS

Units 2 & 5 Tetbury Close
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WN5 0LA

1. TCS Geotechnics is a trading name of Technical Civils Solutions Ltd
2. TCS Geotechnics Ltd reserves the right to alter product specifications without prior notice.
3. It is the responsibility of all users to satisfy themselves that the above data is current.
4. The above figures are average values obtained from testing to current EN ISO standards
5. TCS Ltd cannot accept responsibility for the performance of these products as the conditions of use are beyond our control. 6. Installation details are available on request.

