

# Polyfelt TS

Polyfelt TS geotextiles are mechanically bonded nonwovens, UV stabilized and made of 100% polypropylene continuous filaments, NorGeoSpec certified.



Properties	Test method	Unit	TS09(5.01)	TS30N(4)	TS30N(5)	TS50N	TS50N(4)	TS65N	TS75N(5)
Class [NorGeoSpec]			1	2	2	3	3	4	5
<b>Mechanical Properties</b>									
Tensile strength (MD*)	EN ISO 10319	kN/m	5.8	11.2	9.2	13.3	16.5	17.8	24
Tensile strength (CMD*)	EN ISO 10319	kN/m	7.7	11.2	13.1	20	16.5	26.7	33.8
Elongation at max. load (MD*)	EN ISO 10319	%	90	90	90	90	90	90	90
Elongation at max. load (CMD*)	EN ISO 10319	%	45	37	25	25	37	25	40
CBR puncture resistance	EN ISO 12236	kN	1	1.65	1.55	2.25	2.30	2.90	4.20
Dynamic perforation (cone drop)	EN ISO 13433	mm	32	31	31	22	23	17	11
Min. Energy Index	EN ISO 10319	kN/m	1.2	2.1	2.1	3.2	3.2	4.5	6.5
<b>Hydraulic Properties</b>									
Permeability normal to the plane ( $\Delta h = 50$ mm)	EN ISO 11058	mm/s	140	90	90	90	50	80	25
Characteristic opening size (O90)	EN ISO 12956	$\mu\text{m}$	155	105	105	100	100	95	70
<b>Identification Properties</b>									
Mass per unit area	EN ISO 9864	$\text{g/m}^2$	90	140	140	185	205	250	370
<b>Form of Supply</b>									
Width x Length		m	2x100	2x150	5x100	5x100	4x100	5x125	5x90
		m	4x200	4x150					
		m	5x150						

#### Notes

\* MD = Machine Direction, CMD = Cross Machine 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.

#### Certification and Accreditation



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