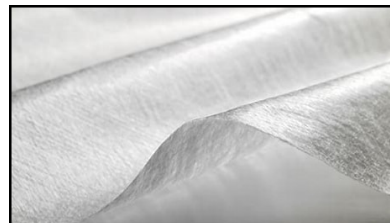


Polyfelt TS

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



Properties	Test method	Unit	TS10 F-3	TS20 F-3	TS30 F-4	TS40 F-4	TS50 F-5	TS60 F-6	TS65 F-6	TS70 F-7	TS80 F-8
Mechanical Properties											
Tensile strength (MD*)	EN ISO 10319	kN/m	8	9	12	14	16	20	22	25	30
Tensile strength (CMD*)	EN ISO 10319	kN/m	8	9	12	14	16	20	22	25	30
Elongation at max. load (MD*)	EN ISO 10319	%	80	80	80	80	80	80	80	83	80
Elongation at max. load (CMD*)	EN ISO 10319	%	70	65	70	70	70	70	70	70	70
CBR puncture resistance	EN ISO 12236	kN	1.20	1.40	1.75	2.10	2.35	3.00	3.35	3.85	4.50
CBR displacement	EN ISO 12236	mm	59	59	57	57	57	59	59	59	59
Dynamic perforation	EN ISO 13433	mm	31	28	25	22	21	17	16	15	12
Hydraulic Properties											
Permeability normal to the plane ($\Delta h = 50$ mm)	EN ISO 11058	mm/s	100	100	100	90	85	70	65	55	50
Water flow capacity in the plane (20 kPa)	EN ISO 12958	l/ms	5.3E-4	7.2E-4	1.0E-3	1.3E-3	1.5E-3	2.0E-3	2.4E-3	2.7E-3	3.7E-3
Water flow capacity in the plane (100 kPa)	EN ISO 12958	l/ms	2.8E-4	3.0E-4	4.0E-4	4.5E-4	5.0E-4	5.5E-4	6.1E-4	6.8E-4	9.9E-4
Characteristic opening size (O90)	EN ISO 12956	μm	105	105	100	100	100	95	90	90	85
Identification Properties											
Mass per unit area	EN ISO 9864	g/m ²	100	125	150	180	200	250	285	300	385
Thickness at 2 kPa load	EN ISO 9863-1	mm	1.20	1.40	1.60	1.80	2.00	2.40	2.60	2.90	3.40
Form of Supply											
Width x Length		m	6x300	6x250	6x230	6x200	6x180	6x140	6x125	6x120	6x90

Notes

* MD = Machine Direction, CMD = Cross Machine Direction

The values given are indicative and correspond to average results obtained in our laboratories and testing institutes. The right is reserved to make changes without notice at any time. Please check that you have at your disposal the latest edition of the technical data sheet.

Certification and Accreditation



Tel.: +43 (0)732 6983 0, service.at@solmax.com

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