

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 (5)	TS20 (5)	TS30 (5)	TS40 (5)	TS50 (5)	TS60 (5)	TS70 (5.02)
Mechanical Properties									
Tensile strength (MD*)	EN ISO 10319	kN/m	6.8	8	9.5	12	13.5	17	20
Tensile strength (CMD*)	EN ISO 10319	kN/m	9	11.4	14	17	19	26	30
Elongation at max. load (MD*)	EN ISO 10319	%	85	90	90	90	90	90	90
Elongation at max. load (CMD*)	EN ISO 10319	%	55	55	55	30	30	30	30
CBR puncture resistance	EN ISO 12236	kN	1.25	1.60	1.85	2.20	2.50	3.20	3.85
Dynamic perforation (cone drop)	EN ISO 13433	mm	26	23	20	22	20	17	15
Hydraulic Properties									
Permeability normal to the plane ($\Delta h = 50$ mm)	EN ISO 11058	mm/s	140	125	105	125	125	90	80
Characteristic opening size (O90)	EN ISO 12956	μm	130	115	100	100	100	95	90
Identification Properties									
Thickness at 2 kPa load	EN ISO 9863-1	mm	0.80	0.90	1.20	1.70	1.90	2.20	2.80
Mass per unit area	EN ISO 9864	g/m^2	105	125	155	180	200	260	305
Form of Supply									
Width x Length		m	5x100	5x100	5x100	5x100	5x100	5x100	5x100

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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