

# Technical Data

## polyfelt.TS

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

Properties <small>[Standard]</small>	Unit	TS 10 (4.01)	TS 20 (4.01)	TS 30 (4.01)	TS 40	TS 50	TS 60	TS 65	TS 70	TS 80	
<b>Mechanical Properties</b>											
Tensile strength <small>[EN ISO 10319]</small>	MD	kN/m	7.5	9.5	11.5	13.5	15.0	19.0	21.5	24.0	28.0
	CD	kN/m	7.5	9.5	11.5	13.5	15.0	19.0	21.5	24.0	28.0
Elongation at maximum load <small>[EN ISO 10319]</small>	MD	%	90	90	90	100	100	100	100	100	100
	CD	%	75	75	75	40	40	40	40	40	40
Static puncture resistance (CBR-Test) <small>[EN ISO 12236]</small>		N	1200	1500	1750	2100	2350	2900	3300	3850	4250
Cone drop test (hole-Ø) <small>[EN 918]</small>		mm	28	24	20	25	22	19	17	15	14
<b>Hydraulic Properties</b>											
Permeability vertical <small>[EN ISO 11058] (Δh = 50 mm)</small>		l/m <sup>2</sup> s	130	115	100	100	90	80	70	60	55
Opening size O <sub>90</sub> <small>[EN ISO 12956]</small>		µm	105	105	100	100	100	95	95	90	90
<b>Identification Properties</b>											
Thickness <small>[EN 964-1]</small>	2 kPa	mm	0.9	1.0	1.2	1.7	1.9	2.2	2.5	2.9	3.2
Mass per unit area <small>[EN 965]</small>		g/m <sup>2</sup>	105	125	155	180	200	250	285	325	385
<b>Forms of Supply</b>											
Width		m	2 / 4	2 / 4	2 / 4	2 / 4	2 / 4	2 / 4	2 / 4	2 / 4	2 / 4
Length		m	300	250	225	200	175	135	125	100	90

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.

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The Polyfelt Quality Management System is certified acc. ISO 9001. Registration No. 631/0

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