

Technical Data

polyfelt.P

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polyfelt[®]
Geosynthetics

polyfelt.P is a mechanically bonded continuous filament nonwoven from 100% UV stabilized polypropylene. It was developed to guarantee optimum **protection efficiency** for geomembranes.

Properties [Standard]		Unit	P 006	P 007	P 008	P 009	P 011	P 013
Raw material / Type of fibre		-	100% polypropylene, UV stabilized, continuous filaments					
CBR puncture resistance [EN ISO 12236]	Tolerance	N	5400	6200	7200	7800	9600	10000
		%	-10	-10	-10	-10	-10	-10
Strip tensile strength [EN ISO 10319]	MD / CD Tolerance	kN/m	34 / 34	40 / 40	42 / 42	45 / 45	55 / 55	62 / 50
		%	-10	-10	-10	-10	-10	-10
Elongation at max. load [EN ISO 10319]	MD / CD Tolerance	%	90 / 75	95 / 80	95 / 80	95 / 80	105 / 100	105 / 100
		%	+/-23	+/-23	+/-23	+/-23	+/-23	+/-23
Dynamic puncture test [EN 918]	Tolerance	mm	12	10	9	8	6	3
		%	+20	+20	+20	+20	+20	+20
Water flow rate in the plane [EN ISO 12958]	20 kPa	10 ⁻⁷ m ² /s	60	70	80	90	110	130
		l/mh	21,6	25,2	28,8	32,4	39,6	46,8
	200 kPa	10 ⁻⁷ m ² /s	12	14	17	19	25	28
		l/mh	4,3	5,0	6,1	6,8	9,0	10,1
Protection efficiency [prEN 13719, Deformation at 300 kPa]	Tolerance	%	2,20	1,23	1,05	1,00	0,86	1,00
		%	-30	-30	-30	-30	-30	-30
Weathering resistance [EN 12224]	Residual strength	%	> 90					
Chemical resistance [EN 14030, Method A]	Residual strength	%	> 80					
Microbiolog. resistance [EN 12225]	Residual strength	%	> 98					
Thickness [EN 964-1]	2 kPa	mm	4,0	4,5	5,3	6,0	7,2	8,3
	20 kPa	mm	3,0	3,5	4,1	4,8	6,0	7,0
	200 kPa	mm	2,0	2,3	2,6	3,1	4,0	4,8
Mass [EN 965]		g/m ²	500	600	700	800	1000	1240

polyfelt.P Technical Data are subject to a Third Party Quality Assurance Scheme acc. DIN 18200. The values given are average values obtained in our laboratories and in testing institutes. The tolerance is indicated according to the 95% confidence level. The right is reserved to make changes without notice at any time.

Forms of supply

Width x length	m x m	6,0 x 75	6,0 x 65	6,0 x 55	6,0 x 45	5,4 x 35	5,2 x 50
Area	m ²	450	390	330	270	189	260
Roll weight	kg	240	249	246	231	203	337

Other forms of supply are available on request.

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