

Polyfelt F-Filtration Geotextiles

Properties of Polyfelt F-Filtration Geotextiles

Property	Test Standard	Unit	F 58	F 68	F 78
Product description	-	-	Two-layer mechanically bonded PP continuous filament nonwoven		
Raw material	-	-	100% UV stabilized polypropylene		
Number of filter constrictions *	acc. Giroud		25 – 40	25 – 40	25 – 40
Opening size (0 ₉₀)	ISO 12956	mm	0.08	0.08	0.08
Permeability normal to the plane 50mm head	ISO 11058	l/m ² /s mm/s	45	35	25
Tensile strength (MD/CD)	ISO 10319	kN/m	24/24	30/30	35/35
Elongation at max. load (MD/CD)	ISO 10319	%	90/40	90/40	90/50
Max. absorbed energy **		kN/m	7.50	9.50	12.00
Dynamic drop cone	ISO 13433	mm	14.00	11.00	9.00
CBR puncture resistance	ISO 12236	N	3300	4500	6500
UV Resistance strength retained	3 months outdoor exp. Asian conditions	%	≥ 75	≥ 75	≥ 75
Chemical / biological resistance		-	Resistant against all chemical agents and microorganisms usually occurring in seas or rivers		
Thickness 2 kPa	ISO 9863	mm	3.00	4.50	5.50
Mass	ISO 9864	g/m ²	400	600	800
Form of supply					
Width x Length		m x m	4 x 100	4 x 60	4 x 40
Area		m ²	400	240	160
Weight of roll		kg	170	154	138

* See back page for definition

** ½ (tensile strength x elongation). Tensile strength and elongation values are average of MD and CD.

Other forms of supply as well as grades, adjusted to the requirements of the project, are available on request.

The values given are indicative and correspond to average values obtained in accredited testing laboratories and institutes.

The information given in this brochure is to the best of our knowledge true and correct. However new research results and practical experience can make revisions necessary. No guarantee or liability can be drawn from the information mentioned herein. Furthermore, it is not our intention to violate any patents or licenses.