

TS – Separation & Filtration Nonwovens

Technical Data

TenCate 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.



TenCate Polyfelt® TS

Properties (Standard)	Unit	TS 10 (5)	TS 20 (5)	TS 30 (5)	TS 40 (5)	TS 50 (5)	TS 60 (5)	TS 70 (5.02)	
Type of product	–	Mechanically bonded continuous-filament nonwoven							
Raw material	–	polypropylene, UV-stabilized							
Mechanical Properties									
Tensile strength <small>[EN ISO 10319]</small>	MD	kN/m	6.8	8.0	9.5	12.0	13.5	17.0	20.0
	CD	kN/m	9.0	11.4	14.0	17.0	19.0	26.0	30.0
Elongation <small>[EN ISO 10319]</small>	MD	%	85	90	90	90	90	90	90
	CD	%	55	55	55	30	30	30	30
CBR puncture resistance <small>[EN ISO 12236]</small>		N	1250	1600	1850	2200	2500	3200	3800
Cone drop test (hole-Ø) <small>[EN ISO 13433]</small>		mm	26	23	20	22	20	17	15
Hydraulic Properties									
Permeability vertical <small>[EN ISO 11058] (Δh = 50 mm)</small>		l/m ² s (mm/s)	140	125	105	125	115	90	80
Opening size O ₉₀ <small>[EN ISO 12956]</small>		micron	130	115	100	100	100	95	90
Identification Properties									
Thickness at 2 kPa load <small>[EN ISO 9863-1]</small>		mm	0.9	1.0	1.2	1.7	2.0	2.4	2.8
Mass per unit area <small>[EN ISO 9864]</small>		g/m ²	105	125	155	180	200	260	305
Forms of Supply									
Width		m	5	5	5	5	5	5	5
Length		m	100	100	100	100	100	100	100

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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