

TS 1000 vs T 1000

Comparison Sheet

TenCate Polyfelt TS 1000 is a UV stabilized polypropylene continuous filament needle-punched non woven geotextiles and Terram T 1000 is nonwoven thermally bonded



TenCate Polyfelt® TS

Characteristics	Standard	Unit	TS 1000	T 1000	How TenCate Polyfelt TS 1000 compares with Terram T 1000
Type of product			Non woven	Non woven	Thermally bonded are more brittle and liable to puncture
Production method			Needle punched	Thermally bonded	
Mechanical Properties					
Tensile strength	MD / CD* EN ISO 10319	kN/m	8 / 8	8 / 8	Equal
Elongation at maximum load	MD / CD* EN ISO 10319	%	90 / 75	28 / 28	Better: absorbs energy when placing stone on top, less susceptible to installation damage
Static puncture resistance (CBR Test)	EN ISO 12236	N	1,500	1,500	Equal
Dynamic perforation	EN ISO 13433	mm	26	38	Better: smaller figure indicates less resistance to damage
Hydraulic properties					
Permeability normal to the plane	$\Delta h=50\text{mm}$ EN ISO 11058	$\text{l/m}^2 (\text{mm/s})$	130	100	Better: allows higher flow therefore better for drainage
Characteristic Opening size	EN ISO 11058	μm	120	150	Smaller pore size prevents migration of fine particles
Identification Properties					
Thickness	2kPa EN ISO 9883-1	mm	0.8	0.75	Better: thicker materials resist abrasion better
Mass per unit area	EN ISO 9864	g/m^2	105	125	Better: lighter to handle
Forms of supply**					
Length		m	4	4.5	
Width		m	112.5	100	
Area		m^2	450	450	

*MD—machine direction

*CD—cross direction

** See TenCate Geosynthetics UK Ltd general terms of sales

Attention! The values given are indicative and correspond to average results obtained in our laboratories and testing institutes.

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The right is reserved to make changes without notice at any time. Please check that you have at your disposal the latest edition of the technical data sheet.

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