

# Polyfelt TS

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.



Properties	Test method	Unit	TS 1000 ORANGE
<b>Mechanical Properties</b>			
Tensile strength (MD*)	EN ISO 10319	kN/m	8
Tensile strength (CMD*)	EN ISO 10319	kN/m	8
Elongation at max. load (MD*)	EN ISO 10319	%	90
Elongation at max. load (CMD*)	EN ISO 10319	%	65
CBR puncture resistance	EN ISO 12236	kN	1.50
Dynamic perforation (cone drop)	EN ISO 13433	mm	26
<b>Hydraulic Properties</b>			
Permeability normal to the plane ( $\Delta h = 50$ mm)	EN ISO 11058	mm/s	130
Characteristic opening size (O90)	EN ISO 12956	$\mu\text{m}$	120
<b>Identification Properties</b>			
Mass per unit area	EN ISO 9864	$\text{g}/\text{m}^2$	105
Thickness at 2 kPa load	EN ISO 9863-1	mm	0.70
<b>Form of Supply</b>			
Width		m	4.50
Length		m	100

**Notes**

\* MD = Machine Direction, CMD = Cross Machine Direction

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.

**Certification and Accreditation**

Tel.: +43 (0)732 6983 0, [service.at@solmax.com](mailto:service.at@solmax.com)

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