

STANDARD GEOTEXTILES

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Product Data Sheet

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Product Grade			T700	T900	T1000	T1300	T1500	T2000	T3000	T4000	T4500
Mechanical Properties (Mean values)											
Tensile Strength	EN ISO 10319	kN/m	6.0	7.5	8.0	10.5	12.5	14.5	18.0	22.0	30.0
Tensile at 5% Elongation	EN ISO 10319	kN/m	2.6	3.2	3.4	4.3	4.7	5.5	6.3	7.5	9.0
Tensile Elongation	EN ISO 10319	%	22	23	24	24	27	27	30	30	35
CBR Puncture Resistance	EN ISO 12236	N	1050	1350	1500	2000	2250	2750	3250	4300	5350
Cone Drop	EN ISO 13433	mm	42	40	38	34	32	26	24	22	14
Hydraulic Properties (Mean values)											
Permeability (H ₅₀)	EN ISO 11058	l/m ² .s	130	105	100	80	75	65	55	45	35
Opening Size (O ₉₀)	EN ISO 12956	μm	180	160	150	130	125	110	100	85	75
Physical Properties (Typical values)											
Thickness at 2kPa	EN ISO 9863-1	mm	0.6	0.7	0.75	0.85	0.9	1.1	1.2	1.4	1.6
Roll Dimensions ₍₂₎											
Roll Width		m	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5
Roll Length		m	150	150	100	100	100	100	100	50	50
Roll Weight		kg	65	85	60	75	85	100	120	80	95

Durability

This product is predicted to be durable for more than 25 years in soils with a pH in the range 2 to 14 and with a temperature of less than 25°C.

Chemical resistance

Polypropylene and polyethylene are unaffected by the chemicals which normally exist in soils.

Biological resistance

Polypropylene and polyethylene are not nutrients for micro-organisms and do not provide nourishment for animals & insects.

UV exposure

Fiberweb Geosynthetics' products are delivered to site in polyethylene wrapping to protect against the effects of ultra-violet radiation. It is recommended that the products remain wrapped until their installation.

Once unwrapped, the products should be completely covered with fill within 14 days to avoid exposure to UV radiation.

Versions of most products can be manufactured with enhanced UV performance by incorporating stabilisers. These versions carry the suffix UV.

The remaining properties are identical to the corresponding standard grade.

Adequate precautions should always be taken to protect all products from UV radiation to achieve the stated durability.

Notes:

1. Refer to the *Terram Jointing Methods* (downloadable from www.terram.com) for when simple overlaps are required for subsequent and adjacent roll lengths. However, pegging, sewing, stapling or gluing can also be used depending upon the application, the sub-grade conditions, the loading, the convenience and the cost.
2. These figures relate to standard product weights and roll sizes. Other weights, sizes and colours may be available on request. For further information please contact Fiberweb Geosynthetics' Technical Support.

As part of its continual improvement process Fiberweb Geosynthetics Ltd reserve the right to change the properties listed on this data sheet without prior notice.

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