TERRAM
Geosynthetics you can trust

Standard Geotextiles

Terram Standard Geotextiles are nonwoven geotextile manufactured using advanced bico technology from UV stabilised virgin polyolefin that have been thermally bonded to provide high tensile strength and excellent hydraulic characteristics.

Product Information Sheet

PROPERTIES (Test Methods)	Units	T700	T900	T1000	T1300	T1500	T2000	T3000	T4000	T4500
MECHANICAL										
Wide-Width 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
Elongation (EN ISO 10319)	%	24	30	30	30	30	30	30	30	35
C.B.R. 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	20
HYDRAULIC										
Permeability (H_{50}) (EN ISO 11058)	l/m^2s	130	105	100	80	75	65	55	45	35
Opening Size O_{90} (A.O.S.) (EN ISO 12956)	µm	180	160	150	130	125	110	100	85	75
PHYSICAL (TYPICAL VALUES)										
Thickness @ 2kPa (EN ISO 9863)	mm	0.60	0.70	0.72	0.85	0.90	1.10	1.20	1.40	1.60
ROLL DIMENSIONS										
Width	m	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5
Length	m	150	150	100	100	100	100	100	50	50
Weight	kg	65	83	58	75	83	100	120	80	95

Composition and Environmental Behaviour:

Composition - Polypropylene & Polyethylene.

Durability - The products are predicted to be durable for more than 100 years for non-reinforcing applications, in soils with a range of pH 1-14 and soil temperatures greater than 25°C. (BTTG Durability assessment report 10/20811)

Chemical Resistance - Resistant to all naturally occurring soil alkalis. Resistant to all naturally occurring soil acids, (i.e. to acids of pH ≥ 2).

Biological Resistance - The product is unaffected by bacteria, fungi, etc. Since it is not a source of nourishment, rats and termites will not eat the product as food.

Note: 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.

For any queries / sales inquiries email us on sales@terramgeo.com

Applications

Paved and unpaved roads
Railways
Sub-surface drainage
Irrigation and sewerage

River and canal banks
Lake and reservoir shores
Dams and flood bunds
Weed control and tree root guard

Culverts and outfalls
Ports and causeways
Cycleways and footpaths
Car parks and hard standings

Geotextiles
Geocells
Geocomposites

CPR - 0338

IND 13.6431U