

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

PROPERTIES	TEST METHOD	UNITS	MEAN VALUE (APPLIED TOLERANCE VALUE)								
			T700	T900	T1000	T1300	T1500	T2000	T3000	T4000	T4500
MECHANICAL											
Grab Tensile Strength	(ASTM D4632)	N	500	600	660	900	970	1550	1600	2050	2550
Grab Elongation	(ASTM D4632)	%	60	60	60	60	60	60	60	60	60
Trapezoidal Tear Strength	(ASTM D4533)	N	250	275	300	410	470	650	690	860	1100
Static Puncture Strength	(ASTM D6241)	N	1050	1350	1500	2000	2250	2750	3250	4300	5350
HYDRAULIC											
Permittivity	(ASTM D4491)	s ⁻¹	2.60	2.10	2.00	1.60	1.50	1.30	1.10	0.90	0.64
Permeability (H ₅₀)	(ASTM D4491)	l/m ² s	130	105	100	80	75	65	55	45	35
Opening Size O ₉₀ (A.O.S.)	(ASTM D4751)	mm	0.294	0.206	0.208	0.148	0.143	0.11	0.081	<0.075	<0.075
UV Resistance @500 Hrs	(ASTM D4355)	%	≥ 70	≥ 70	≥ 70	≥ 70	≥ 70	≥ 70	≥ 70	≥ 70	≥ 70
PHYSICAL (Typical Value)											
Thickness @ 2kPa	(ASTM D5199)	mm	0.55	0.60	0.65	0.75	0.82	0.92	1.25	1.30	1.55
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** - Polypropylene & Polyethylene.
- Durability** - Predicted to be durable for more than 100 years in Natural soils with a range of pH 4-9.
- Chemical Resistance** - Resistant to naturally occurring soil alkalis. Resistant to all naturally occurring soil acids. (i.e. to acids of pH ≥ 2).
- Exposure to Sunlight** - The product is delivered in colored polyethylene wrappers to protect it from the harmful effects of ultra-violet rays: it is recommended that it remains wrapped until it is to be used. The unwrapped product shall be completely covered within 30 days after installation to avoid UV radiation exposure.
- 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.

Markets

Highways
Coastals
Landfill
Landscaping

Application Function

Paved and unpaved roads, Sub-surface drainage, Culverts and outfalls
Irrigation and sewerage, Reservoir and river shores, Dam and canal bunds
Geomembrane protection, Filter separators, Water proofing applications
Weed and root barrier, Cycle ways and footpaths, Car parks and hard stands

Geotextiles
Geocomposites
Geocells
Geonets

