

Ekotex Range

The Ekotex Range are a range of polypropylene, stable fibre, needlepunched nonwoven geotextiles and will meet the following roll values when tested in accordance with the methods listed below. The fibres are needed to form a stable network that retains dimensional stability relative to each other. The geotextile is resistant to ultraviolet degradation and to biological and chemical environments normally found in soils.

Property		Test Method	Ekotex 06	Ekotex 07	Ekotex 10	Ekotex 12	Ekotex 14	Ekotex 20
MECHANICAL								
Tensile Strength	MD (kN/m)	EN ISO 10 319	6.5	8.0	9.2	13	16	21.1
	CD (kN/m)	EN ISO 10 319	6.5	8.0	10.1	13	16	24.8
Elongation	MD (%)	EN ISO 10 319	55	55	57	55	56	58
	CD (%)	EN ISO 10 319	61	61	61	61	61	61
Dynamica Perforation Resistance (Cone Drop) (mm)		EN 13433	33	34	22	17	16	10
Resistance to Static Puncture (CBR) (N)		EN ISO 12236	1110	1400	1720	2260	2700	3930

HYDRAULIC								
Opening Size O_{90} (mm)		EN ISO 12956	0.071	0.068	0.061	0.060	0.060	0.058
Permeability (l/m ² /s)		EN ISO 11058	117	115	99	85	79	63
Water flow capacity in the plane (m ² /s)	gradient q20/1.0	EN ISO 12958	3.45 ¹⁰⁻⁶	4.49 ¹⁰⁻⁶	3.52 ¹⁰⁻⁶	3.77 ¹⁰⁻⁶	6.12 ¹⁰⁻⁶	6.06 ¹⁰⁻⁶
	gradient q200/1.0	EN ISO 12958	1.09 ¹⁰⁻⁶	1.14 ¹⁰⁻⁶	1.22 ¹⁰⁻⁶	1.42 ¹⁰⁻⁶	2.78 ¹⁰⁻⁶	2.28 ¹⁰⁻⁶
Durability		<ul style="list-style-type: none"> • Cover after application. • Durability planned for a minimum of 25 years on natural soils with a 4<pH<9 and a temperature <25°C. 						

OTHER								
Roll Sizes (m)			4.5 x 100	4.5 x 100	4.5 x 100 2.2 x 100	4.5 x 100 2.2 x 100	5.0 x 100	5.5 x 80 2.2 x 50
Roll Diameter (cm)			33	34	38 38	45 45	46	52 37
Roll Weight (kg)			42	45	63 31	86 42	105	132 33
Weight g/m ²		EN ISO 9864	90	100	140	180	200	300
Thickness under 2 kPa (mm)		EN ISO 9863 -1	1.05	1.11	1.39	1.63	1.7	2.4

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