

Filtration & Drainage

Technical Datasheet

Lotrak[®] filtration geotextiles are designed to provide rapid filtration, allowing water to pass into a filter drain without the carriage of fine soil particles.

The opening size of the geotextile is small enough to control soil particle movement but is large enough to avoid clogging. As a result, water flow is maintained by the creation of a bridging zone to promote natural soil filtration.

Product Features

- ▶ Provides rapid filtration for a wide range of applications, including drains and trenches
- ▶ Prevents the loss of construction aggregates into the underlying soil
- ▶ Offers high tensile strength and CBR properties to offer an element of protection in addition to the standard requirements of separation and filtration

Benefits

- ▶ Proven separator performance
- ▶ Excellent filtration capabilities
- ▶ Superior strength and resistance
- ▶ Increased mechanical strength
- ▶ Optimum drainage capabilities



TEST	STANDARD		LOTRAK [®]					
			80	100	140	160	200	300
Product								
Tensile Strength (kN/m)	EN ISO10319	MD	6	8	12	14	18	25
		CD	6	8	12	14	18	25
Elongation at max. load (%)	EN ISO 10319	MD	36	39	41	41	50	65
		CD	42	48	55	55	50	65
CBR Puncture Resistance (N)	EN ISO 12236		1050	1500	2000	2595	2900	4300
Cone Drop Penetration (mm)	EN ISO 13433		48	36	26	23	18	13
Pore size 90% finer than (microns)	EN ISO 12956		128	100	90	80	70	70
Water Permeability $V_{I_{H50}}$	EN ISO 11058		0.144	0.130	1.110	0.090	0.080	0.065
Water Flow Rate (l/m ² /sec)	EN ISO 11058		144	130	110	90	80	65
Effect of UV Light			The polypropylene (PP) used contains a UV inhibitor					
Roll Sizes (m)			4.5x100	4.5x100 2.25x50 2.25x25	4.5x100	4.5x100	4.5x100	4.5x100 2x100 2x50
Handy Pack size (m)				4.5x10				

All products are manufactured under BS EN ISO 9001.

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