

# GEOTEXTILE 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	HF550	
Product		80	100	140	160	200	300	HF550	
Tensile strength (kN/m)	EN 10319	MD	6	8	12	14	18	25	22
		CD	6	8	12	14	18	25	19
Elongation at max.load (%)	EN 10319	MD	36	45	45	50	50	65	22
		CD	42	45	45	50	50	65	18
CBR puncture resistance (N)	EN ISO 12236	1050	1500	2000	2300	2900	4300	2700	
Cone drop penetration (mm)	EN 918	48	36	26	23	18	13	13	
Pore size 90% finer than (microns)	EN ISO 12956	128	100	90	80	70	70	450	
Water Permeability (x 10 <sup>-3</sup> ) (m/sec)	EN ISO 11058	144	130	110	90	80	65	80	
Effect of UV Light	The polypropylene (PP) used contains a UV inhibitor								
Roll Size (m)	Width	4.5	4.5	4.5	4.5	4.5	4.5	4.5	
	Length	100	100	100	100	100	50/100	100	