

### TECHNICAL SPECIFICATION

#### PHYSICAL PROPERTIES

PROPERTIES	STANDARD	UNIT	ADVAFELT			
			100	120	140	200
Mass/ Unit Area	ASTM D 5261	g/m <sup>2</sup>	100	120	140	200
Thickness (2kN/m <sup>2</sup> )	ASTM D 5199	mm	0.9	1.0	1.2	1.7

#### MECHANICAL PROPERTIES

Tensile Strength	MD	ASTM D 4595	kN/m	3.0	3.5	4.5	7.0
	CD			3.0	3.5	4.5	7.0
Tensile Elongation	MD	ASTM D 4595	%	45	45	45	55
	CD			60	60	60	65
Puncture Strength (CBR)		ASTM D 6241	N	450	550	700	1100

#### HYDRAULIC PROPERTIES

Opening Size (O <sub>95</sub> )	ASTM D 4751	mm (US Sieve)	0.11	0.11	0.11	0.10
Flow Rate - 5 cm head	EN ISO 11058	l/m <sup>2</sup> /s	100	95	90	70
Permittivity	ASTM D 4491	Sec <sup>-1</sup>	2.0	1.8	1.6	1.4

#### ROLL DIMENSIONS

Roll Width	m	3
Roll Length	m	100
Roll Area	m <sup>2</sup>	300

Note: The above shown technical data are typical results obtained to the best of our knowledge from our quality control records. Extra details can be provided upon request. In accordance to the standard, a variation of 25% is expected.

#### DESCRIPTION:

Nonwoven Geotextile is made of polyester, needle-punched and calendered. Its primary functions include;

- ▶ Filtration - acts as a sand filter by allowing water to move through the soil while retaining all upstream soil particles.
- ▶ Separation - acts to separate two layers of soil that have different particle size distributions.
- ▶ Protection - acts as anti-puncturing protection and preventing local damage on exposed waterproofing membranes.

