



#### **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.



# **TECHNICAL SPECIFICATION**

#### PHYSICAL PROPERTIES

PROPERTIES STANDAR		UNIT	ADVAFELT			
	STANDARD		100	120	140	200
Mass/ Unit Area	ASTM D 5261	g/m²	100	120	140	200
Thickness (2kN/m²)	ASTM D 5199	mm	0.9	1.0	1.2	1.7

## MECHANICAL PROPERTIES

Tensile Strength	MD		kN/m	3.0	3.5	4.5	7.0
rensile Strength	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/m²/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	m²	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.

The information given in this data sheet is based on both current development work and many years of field experience. Whilst every effort is made to ensure that the information is reliable, we cannot accept responsibility for any work carried out with our materials as we have no control over methods of application, site, conditions etc.



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