

# BLD GEOTEXTILE



## DESCRIPTION

BLD 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.

## PHYSICAL PROPERTIES

PROPERTIES	STANDARD	UNIT	BLD FELT			
			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	ASTM D 4595	%	3.0	3.5	4.5	7.0
Tensile Elongation	MD			45	45	45	55
	CD	ASTM D 6241	N	60	60	60	65
Puncture Strength/GBR	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