

PAG 25 Geocomposite – Single Wrap

Consists of a cusped HDPE (High Density Polyethylene) drainage core former thermally bonded to a geotextile filter

PROPERTIES	MD/CD	UNIT	VALUE	STANDARD
Composite				
In Plane gas flow			@ 7mm	
At 100kPa		l/m.sec	41.1	nominal
			@ 3mm	
At 100kPa		l/m.sec	20.4	nominal
With soft foam contact surfaces to simulate textile intrusion into the core due to soil pressure				
Ventilation free path		mm ² /m	11500	Indicative
Air volume		l/m ²	18.9	Indicative
Equivalent Void Depth		mm	18.9	Indicative
Thickness at 2kPa		mm	26.2 + 10%	EN ISO 9863-1
Mass per unit area		g/m ²	1670	EN ISO 9864
Tensile strength	MD	kN/m	19 – 10%	EN ISO 10319
	CD	kN/m	19 – 10%	EN ISO 10319
Elongation at Peak	MD	%	45 nominal	EN ISO 10319
	CD	%	45 nominal	EN ISO 10319
Static puncture resistance CBR		N	3000 –20%	EN ISO 12236
Intrinsic Permeability		m ²	1.0 x 10 ⁻⁵	DoE
Porosity		%	82	DoE
Forchheimer Term		Sec/m	18.0	DoE
Resistance to weathering	To be covered within 28 days			
Design life		Years	120	Manufacturers declaration
Geotextile				
Thickness at 2kPa		mm	1.2 -20%	EN ISO 9863-1
Tensile strength	MD	kN/m	9.5 -13%	EN ISO 10319
	CD	kN/m	9.5 – 13%	EN ISO 10319
Pore size O ₉₀		µm	120 + 30%	EN ISO 12956
Water flow to 50mm head		l/m ² .s	115 + 30 %	EN ISO 11058
Static puncture resistance CBR		N	1600 –20%	EN ISO 12236
Dynamic perf cone drop		mm	32 + 20%	EN ISO 13433
Roll size	Width	m	0.915	
	Length	m	50	

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