

PAG 25 Geocomposite consists of a cuspated HDPE (High Density Polyethylene) drainage core former thermally bonded to a geotextile filter.

Properties

Geotextile Type	Non Woven Continuous filament Needle punched & heat treated		
Geotextile material	Polypropylene		
Geotextile pore size	(micron)	110	EN ISO 12956
Core Material	Single cuspated HDPE (High Density Polyethylene)		
Composite weight /unit area	(g/m ²)	1505	BS EN 965
Tensile strength MC/CD	(kN/m)	13/16.5	EN ISO 10319
Elongation MD/CD	(%)	60/30	EN ISO 10319
CBR Puncture resistance	(N)	2500	EN ISO 12236

Performance

In Plane gas Flow		@7mm	@3mm	PRESSURE DROP
At 100kPA	(l/m.sec)	41.1	20.4	GAS TEST with
At 250 kpa		36.0	16.3	soft foam platens to
At 500kPa		20.6	8.2	simulate soil action
Creepresistance		less than 6% in 100,000 hrs		
Intrinsic Permeability	(m ²)	1.0 x 10 ⁻⁵		
Forcheimer term	(sec/m)	18.0		DoE
Porosity		0.82		DoE
Equivalent Clear Void	(mm)	13		DoE
Thickness at 2 kPa	(mm)	26.3		EN 964-1
Resistance to weathering		To be covered in 14 days		BS EN 12224
Life expectancy of polymers		In excess of 25 years in pH 4 to 9 at 25C		
Working temperature		-20 to 80 deg C		
Chemical resistance		Excellent resistance to common chemicals		
Resistance to microbes		No significant effect		BS EN 14030
Health, Safety Environment		Inert. No Known Health hazard. No Precautions.		

Roll Dimensions

Width	(m)	0.915m
Length	(m)	50m
Weight	(g / m ²)	1505
Geotextile flap	(mm)	200 (extra over core width)

Notes

- (1) The geotextile is bonded to the core to prevent intrusion into and blockage of the drainage passage under the action of pressure of back fill material.
- (2) The values given are indicative and correspond to nominal results obtained in our laboratories and testing institutes. .In line with our policy of continuous improvement the right is reserved to make changes without notice at any time.
- (3) Unless otherwise stated allowable tolerances are +/-10% of the typical value.
- (4) The above figures have been obtained from statistical interpretation of test results
- (5) Final determination of suitability of any information is the responsibility of the user