

## **PAG 6 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 <sup>2</sup> )	810	BS EN 965
Tensile strength MC/CD (kN/m)	15/16	EN ISO 10319
Elongation MD/CD (%)	30/25	EN ISO 10319
CBR Puncture resistance (N)	3,000	EN ISO 12236

### **Performance**

	<u>@7mm</u>	<u>@3mm</u>	
In Plane gas Flow			PRESSURE DROP
At 100kPa (l/m.sec)	2.4	0.8	GAS TEST with
At 250 kpa	2.1	0.6	soft foam platens to
At 500kPa	1.7	0.5	simulate soil action
Compressive strength (kPa)	250 ( Without infill)		ASATM D1621(mod)
Compressive strength (kPa)	Equal to concrete when filled		
Creep Resistance			less than 6% in 100,000 hrs
Intrinsic Permeability (m <sup>2</sup> )	1.0 x 10 <sup>-7</sup>		
Forcheimer term (sec/m)	5		DoE
Porosity	0.9		DoE
Equivalent Clear Void (mm)	3		DoE
Thickness at 2 kPa (mm)	5.8		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		EN14030
Resistance to microbes	No significant effect		EN 12225
Health, Safety Environment	Inert. No Known Health hazard. No Precautions.		

### **Roll Dimensions**

Width (m)	1.1	or	0.1
Length (m)	50		50
Weight (kg)	44.55		4.05

### **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 backfill 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

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