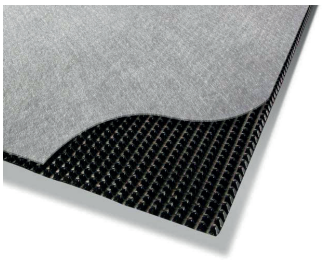
Specialist Geomembranes

Technical Data Sheet

Landflex™ Pozidrain



A geocomposite drainange layer comprising high performance second generation single cuspated HDPE (High Density Polyethylene) core with a geotextile filter thermally bonded on one side. The textile filter has a flap extending beyond the core on one edge. The major application is its use instead of stone drainage layers in landfill containment systems.

CE 0799-CPD-30

The information herein is based upon data obtained by the manufacturer and is considered accurate. However, no warranty is expressed or implied regarding the accuracy of this data. This information is furnished upon the condition that the person receiving it shall evaluate its suitability for the specific application.

Geocomposite Properties						
Thickness at 2kPa	mm	6.1			±10%	EN ISO 9863-1
Mass per unit area	g/m²	670			approx.	EN ISO 9864
Tensile strength MD/CMD	kN/m	13/13			-10%	EN ISO 10319
Elongation at peak MD/CMD	%	45/45			Nom.	EN ISO 10319
CBR Puncture resistance	N	2250			-20%	EN ISO 12236
Perpendicular Water Inflow (dimple side only)						
Water flow at 50mm head	l/m², s	103			±30%	EN ISO 11058
At 2kPa permeability (coefficient)	m/s	2.5 x 10^{-3}			±30%	EN ISO 11058
Breakthrough head	mm	0				BS 6906 pt.3
In-plane water flow MD & CMD		**HG=1.0**		**HG=0.1**		**Hydraulic Gradient**
at 20kPa confining pressure	l/m.s	1.60	±0.15	0.48	±0.05	EN ISO 12958
at 100kPa confining pressure	l/m.s	1.35	±0.15	0.38	±0.05	EN ISO 12958
at 200kPa confining pressure	l/m.s	1.10	±0.15	0.29	±0.05	EN ISO 12958
With soft foam contact surfaces to simulate textile intrusion into the core due to soil pressure						
Resistance to weathering	To be covered in 14 days					EN ISO 9863-1
Resistance to chemicals	Excellent					EN ISO 10319
Design life	120 Years (manufacturers' declaration)					
Geotextile Properties						
Thickness at 2kPa	mm	1.2			±20%	EN ISO 9863-1
Tensile strength	kN/m	9.5/9.5			-13%	EN ISO 10319
Pore size O_{90}	µm	120			±30%	EN ISO 12956
CBR Puncture resistance	N	1600			-20%	EN ISO 12236
Dynamic perforation cone drop	mm	32			+20%	EN ISO 13433
Type and material	Non-woven needle-punched and heat-treated long staple fibre polypropylene					
Product Dimension						
Standard roll dimensions	4.4m x 100m (other sizes on request)					

BUTEK Tanks
BUTEK Landline

Specialist divisions of Butyl Products Ltd
T: +44 (0) 1277 653 281
E: enquiries@butektanks.co.uk W: butektanks.com
E: enquiries@butek-landline.co.uk W: buteklandline.co.uk