

TECHNICAL DATA SHEET

Product Name:



KAYAPP

Reference No: DS DRNG 0712-10/2016 Rev 1

Date: 14 March 2018

Description: Dimple Core comprising a single cuspated High Density Polyethylene (HDPE) sheet with both high compressive strength and in-plane flow capacity.

DC 500

Physical Properties				
Colour		Black		
Type		Cuspated, 7x7:4		
Material		HDPE		
Density	kg/m ³	961	ASTM D792, Method A	
Sheet thickness	micron	500		
Cuspate height	mm	4.0		
Cuspate centres	mm	6.0-7.0		
Carbon black content	%	1.5-2.5	ASTM D4218	
High Pressure OIT	minutes	246	ASTM D5885	
Mechanical Properties				
Tensile Strength	kN/m MD/CD	6/6	SANS 1525:13/ ISO 10319:08	
Static Puncture Strength	N	1000	SANS 12236:13/ ISO 12236:06	
Compressive Yield Strength	kPa	350	ASTM D1621	
Hydraulic Properties				
<u>In-plane waterflow</u>		HG=1	HG=0.1	ASTM D4716 / ISO 12958
@ 200 kPa	l/m/s	1.33	0.42	
@ 500 kPa	l/m/s	0.58	0.13	
@ 1000 kPa	l/m/s	0.13	0.016	
Between hard contact surfaces to simulate structural drainage applications or use with geomembranes				
Chemical Resistance		See HDPE Compatibility chart, available on request		
Resistance to microbes		No significant effect		
Compatibility with Geomembranes		Fully Compatible		
Health, Safety, Environment		INERT. No known health hazard.		
Dimensions				
Roll width & length	m	1.18 x 103		

All tests performed by TRI-Austin, Texas – USA and the Geosynthetic Laboratory, Pinetown, South Africa.

The above values are Typical.

Manufactured for Kaytech by Aquatan. Both parties reserve the right to make technical modifications to their products.

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