

TECHNICAL DATA SHEET


KAYAPP

Product Name: **bidim**

Reference No: DS GNRL A15 0856-05/2019

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Description: Nonwoven, Needle punched, Continuous Filament, Polyester Geotextile
 Manufactured in RSA by Kaytech Atlantis, an ISO 9001:2008 accredited facility
 (Registration No: LS 1176)

A15

Mechanical Properties				
Mass		gsm	1500	SANS 9864 / ISO 9864
Thickness	Under 2 kPa	mm	10.0	SANS 9863-1 / ISO 9863-1
Tensile Strength (200mm wide strip)	Weaker Direction	Typical kN/m	100	SANS 1525 / ISO 10319
	Elongation	%	50-70	
Static Puncture Strength	CBR	Typical kN	15	SANS 12236 / ISO 12236
Puncture Resistance	Diameter of hole (max)	mm	0	SANS 13433 / ISO 13433
Trapezoidal Tear Strength	Weaker Direction	Typical N	2250	ASTM D4533
Grab Strength	Weaker Direction	Typical N	6000	ASTM D4632
	Elongation	%	50-80	
UV Stability	80 % Strength retained after 500 hours			ASTM D4355
Hydraulic Properties				
Normal Throughflow	@ 50mm head	ℓ/s/m ²	19	SANS 11058 / ISO 11058
Flow Velocity	Calculation based on Throughflow & thickness	m/s	0.019	
Permeability		x10 ⁻³ m/s	3.80	
In-plane Throughflow	20 kPa load l = 1.0	ℓ/hr (per m width)	300	ISO 12958
Pore Size	O _{95W}	µm	< 75	SANS 12956 / ISO 12956
Roll Dimensions				
Width	Standard	m	3 & 6	
Length	Standard	m	50	

The above values are Typical values and are determined from the specified tests carried out by an accredited laboratory. To ensure this information is current please contact your local Kaytech sales office.

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