

## TECHNICAL DATA SHEET

Product Name **Kaymat®**  
Reference No: DS FLTR 0326-06/2011 REV 1  
Date of Issue 31 July 2012  
Description Nonwoven, Continuous Filament, Needle Punched, Polyester Geotextile

			U14	U19	U24	U34	U44	U64	U75	U100		
Mass	Nominal	g/m <sup>2</sup>	150	180	210	270	340	550	750	1000	ASTM D5261	
Thickness	Thickness under 2kPa	mm	1.6	1.8	2.0	2.6	3.3	4.5	6.2	7.0	ASTM D5199	
Throughflow	@50mm head	l/s/m <sup>2</sup>	125	120	115	100	90	60	33	25	ASTM D4491	
Permittivity		s <sup>-1</sup>	2.7	2.4	2.3	2.0	1.8	1.2	0.6	0.5	ASTM D4491	
Transmissivity		m <sup>2</sup> /sec	8.9E <sup>-06</sup>	1.0E <sup>-05</sup>	1.1E <sup>-05</sup>	1.4E <sup>-05</sup>	1.6E <sup>-05</sup>	2.2E <sup>-05</sup>	2.5E <sup>-05</sup>	3.1E <sup>-05</sup>	ASTM D4716	
Tensile Strength	Machine	kN/m	9.5	12.5	15	21	28.5	42	70	71	ASTM D4595	
	Across	kN/m	8	11.5	12.5	19	25	35	56	51		
	Elongation	%	40 - 60									
Puncture Resistance	CBR	N	1800	2100	2500	3600	4700	7900	8800	12500	ASTM D6241	
Trapezoidal Tear Strength	M	Tear Strength	N	305	390	435	580	750	1110	1545	1930	ASTM D4533
	A	Tear Strength	N	300	370	420	575	735	1050	1455	1890	
Grab Strength	M	Grab Strength	N	600	765	895	1155	1505	2575	3580	3750	ASTM D4632
	A	Grab Strength	N	580	725	875	1135	1460	2455	3560	3700	
Burst Strength		MPa	1.5	2.1	2.5	3.0	4.2	6.3	8.6	12.6	ASTM D3786	
Pore Size	O <sub>95</sub>	µm	310	290	280	250	230	140	120	75	ASTM D4751	

Density of Polyester at 20°C = 1380kg/m<sup>3</sup>  
Melting Point close to 260°C  
UV light Stability (150hours), in excess of 85% of strength retained

The above results represent laboratory averages  
Kaytech reserves the right to make technical modifications to its products

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