

EnviroSieve™

Dewatering Tube - Ultra Flow Textile

TECHNICAL DATA SHEET	TDS G 001 080
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High flow textile fabric used in the manufacture of the EnviroSieve Dewatering Tube is composed of high-tenacity polypropylene filaments which are woven into a stable network such that the yarns retain their relative positions. EnviroSieve Dewatering Tube is inert to biological degradation and resistant to naturally encountered chemicals, alkalies and acids. EnviroSieve Dewatering Tube textile fabric has been constructed to maintain excellent tensile strengths and filtration properties required for the application of the tube .

MECHANICAL PROPERTIES	TEST METHOD	UNITS	GT50/50		GT70/105	
			MD	CD	MD	CD
Tensile Strength	ASTM D4595	kN/m	50	50	70	105
Elongation	ASTM D4595	%	20	12	18	18
Trapezoidal Tear Strength	ASTM D4533	N	600	550	800	1600
Static Puncture Resistance	ASTM D6241	N	4500		9000	

HYDRAULIC PROPERTIES						
Permittivity	ASTM D4491	sec-1	0.6		0.4	
Flow Rate (50mm Head)	ASTM D4491	l/min/m ²	1800		1200	
Apparent Opening Size (O ₉₅)	ASTM D4751	mm	0.425		0.425	
Flow Rate (100mm Head)	AS3706.9	l/min/m ²	3300		2200	

ROLL SIZE		m	4.5 x 100		4.5 x 100	
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1. The values are indicative and correspond to typical average values obtained during production and from independent testing.
2. MD and CD refer to values obtained in the machine direction (roll length) and cross machine direction (cross roll)

The listed technical values are guiding values, achieved in our laboratories and/or independent testing institutes. Our products are subject to changes without prior notice.

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