

GT500

GT500 Engineered Woven Dewatering Textile shall be manufactured with high tenacity polypropylene yarns that are woven into a stable network such that the yarns retain their relative position. The geotextile tube material shall be inert to biological degradation and resistant to naturally encountered chemicals, alkalis, and acids.

Mechanical Properties	Test Method	Unit	Minimum Average Roll Value	
			MD	CD
Wide Width Tensile Strength (at ultimate)	ASTM D4595	lbs/in (kN/m)	450 (78.8)	625 (109.4)
Wide Width Tensile Elongation	ASTM D4595	%	20 (max.)	20 (max.)
Factory Seam Strength	ASTM D4884	lbs/in (kN/m)	400 (70)	
CBR Puncture Strength	ASTM D6241	lbs (N)	2000 (8900)	
Apparent Opening Size (AOS)	ASTM D4751	U.S. Sieve (mm)	40 (0.43)	
Water Flow Rate	ASTM D4491	gpm/ft ² (l/min/m ²)	20 (813)	
UV Resistance (% strength retained after 500 hrs)	ASTM D4355	%	80	

Filtration Properties	Test Method	Unit	Typical Value
Pore Size Distribution (O ₅₀)	ASTM D6767	Micron	80
Pore Size Distribution (O ₉₅)	ASTM D6767	Micron	195

Physical Properties	Test Method	Unit	Typical Value
Mass/Unit Area	ASTM D5261	oz/yd ² (g/m ²)	17.3 (585)
Thickness	ASTM D5199	mils (mm)	70 (1.8)

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