



GT1000M

GT1000M is engineered woven composed of high-tenacity polypropylene multifilament yarns, which are woven into a stable network such that the yarns retain their relative position. GT1000M is inert to biological degradation and resistant to naturally encountered chemicals, alkalis, and acids.

TenCate Geosynthetics Americas is accredited by a2La (The American Association for Laboratory Accreditation) and Geosynthetic Accreditation Institute – Laboratory Accreditation Program (GAILAP).

Mechanical Properties	Test Method	Unit	Minimum Average Roll Value	
			MD	CD
Wide Width Tensile Strength (at ultimate)	ASTM D4595	lbs/in (kN/m)	1142 (200)	1142 (200)
Wide Width Tensile Elongation	ASTM D4595	%	20 (max.)	20 (max.)
Factory Seam Strength	ASTM D4884	lbs/in (kN/m)	913 (160)	
CBR Puncture Strength	ASTM D6241	lbs (kN)	4000 (17.8) ¹	
UV Resistance (% strength retained after 500 hrs)	ASTM D4355	%	85	

Hydraulic Properties	Test Method	Unit	Minimum Average Roll Value
Apparent Opening Size (AOS)	ASTM D4751	U.S. Sieve (mm)	30 (0.60)
Water Flow Rate	ASTM D4491	gal/min/ft ² (l/min/m ²)	20 (815)
Permittivity	ASTM D4491	sec ⁻¹	0.35

Physical Properties	Test Method	Unit	Typical Value
Mass/Unit Area	ASTM D5261	oz/yd ² (g/m ²)	33 (1119)

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