

TENCATE GEOTUBE® WOVEN GEOTEXTILE

TenCate Geotube® units or containers are manufactured with special high strength woven geotextiles and are a very cost-effective option in dewatering applications, dredging and structures along shorelines.

TenCate Geotube® units are available in various sizes and may be supplied large enough to hold over 900 cubic metres of material each. In dewatering applications, TenCate Geotube® units are filled with sludge slurry, and water is added if needed to allow for easy pumping. The excess water then filters through the walls of the unit, leaving the solids trapped inside. This process reduces the amount of high-cost liquid material to be disposed of, leaving solids that are easily handled.

April 2023		Geotube® Woven Geotextile		
Material Properties	Style	ASTM	GT 500	GT 1000M
	Wide Width Tensile Strength MD/CD	D4595	78.8/109.4 kN/m 450/625 lbs/in	175.0/175.0 kN/m 1000/1000 lbs/in
	Wide Width Tensile Elongation MD/CD	D4595	20 max./20 max.	20 max./20 max
	Factory Seam Strength	D4884	70.0 kN/m 400 lbs/in	88 kN/m 500 lbs/in
	Apparent Opening Size (AOS)	D4751	0.43 mm 40 US Sieve	0.600 mm 30 US Sieve
	Water Flow Rate	D4491	813 l/m/m ² 20 gpm/ft ²	815 l/m/m ² 20 gpm/ft ²
	Mass / Unit Area (Typical Value)	D5261	585 g/m ² 17.3 oz/yd ²	1119 g/m ² 33 oz/yd ²
	UV resistance (% strength retained after 500 hours)	D4355	80 %	85%

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