

G-Tex® PET series woven geotextiles, made from high tenacity polyester yarns with excellent long-term design strength (LTDS) ideally used for applications requiring separation and reinforcement. G-Tex® PET woven geotextiles provide a cost effective solution to achieve greater and quicker stability of embankments on soft foundations.

Features: High strength at low elongation, long-term design strength (LTDS), separation and reinforcement in one product, enhance structural stability;

Applications: Basal reinforcement, embankment reinforcement, retaining structures, subgrade improvement.

Properties (Standard)	Value Type	Unit	WPET100/50	WPET150/50	WPET200/50	WPET300/50	WPET400/50	WPET500/50	WPET600/50	WPET800/50	WPET1000/50	WPET1200/50	WPET1600/50
Mechanical Properties													
Strength@ Ultimate(MD) [ASTM D4595 / ISO 10319]	TYPICAL	kN/m	100	150	200	300	400	500	600	800	1000	1200	1600
Strength@ Ultimate(CD) [ASTM D4595 / ISO 10319]	TYPICAL	kN/m	50	50	50	50	50	50	50	50	50	50	50
Tensile Elongation [ASTM D4595 / ISO 10319]	TYPICAL	%	7~11	7~11	8~12	8~12	8~12	8~12	8~12	8~12	8~12	8~12	8~12
Strength@5% Strain(MD) [ASTM D4595 / ISO 10319]	TYPICAL	kN/m	50	64	90	110	180	225	270	360	450	540	720
Apparent Pore Open Size [ASTM D4751 / ISO 12956]	TYPICAL	mm	0.05~0.5										
Water Flow Rate [ASTM D4491 / ISO 11058]	TYPICAL	l/m2/s	1~15										
Physical Identification Properties													
Grade	TYPICAL	mm	WPET100/50	WPET150/50	WPET200/50	WPET300/50	WPET400/50	WPET500/50	WPET600/50	WPET800/50	WPET1000/50	WPET1200/50	WPET1600/50
Roll Width	TYPICAL	m(<=)	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2
Roll Length	TYPICAL	m	Determined according to the customized specifications										
Approx Load Q'ty / 40' HQ		Rolls(>=)	Determined according to the customized specifications										
		Sq. m	Determined according to the customized specifications										

Above the values listed are the average values. National test institutes and international test institutes. GeoTrans keeps the right of data changes and the final explanation right. Liability Exclusion: This publication should not be construed as engineering advice. While information contained here is accurate to the best of our knowledge, GeoTrans does not warrant its accuracy or completeness. The only warranty made by GeoTrans for its products is set forth in our Product Test Report accompanies our shipment of the products, or such other written warranty as may be agreed by GeoTrans and customer. GeoTrans specifically disclaims all other warranties express or implied, including without agreed by GeoTrans and customer. GeoTrans specifically disclaims all other warranties, express or implied, including without limitation, warranties of merchantability or fitness for a particular purpose, or arising from provision of samples, a course of dealing or usage of trade.



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