

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 | WPET50/50 | WPET65/65 | WPET70/70 | WPET100/100 | WPET110/110 | WPET120/120 | WPET150/150 | WPET200/200 | WPET300/300 | WPET600/600 |
|---|------------|-----------|---|-----------|-----------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| Mechanical Properties | | | | | | | | | | | | |
| Strength@ Ultimate(MD) [ASTM D4595 / ISO 10319] | TYPICAL | kN/m | 50 | 65 | 70 | 100 | 110 | 120 | 150 | 200 | 300 | 600 |
| Strength@ Ultimate(CD) [ASTM D4595 / ISO 10319] | TYPICAL | kN/m | 50 | 65 | 70 | 100 | 110 | 120 | 150 | 200 | 300 | 600 |
| Tensile Elongation [ASTM D4595 / ISO 10319] | TYPICAL | % | 7~11 | 7~11 | 8~12 | 8~12 | 8~12 | 9~13 | 9~13 | 9~13 | 9~13 | 10~14 |
| Strength@5% Strain(MD) [ASTM D4595 / ISO 10319] | TYPICAL | kN/m | 23 | 35 | 35 | 45 | 50 | 45 | 70 | 85 | 50 | 100 |
| Strength@5% Strain(CD) [ASTM D4595 / ISO 10319] | TYPICAL | kN/m | 30 | 35 | 40 | 50 | 55 | 60 | 75 | 90 | 135 | 250 |
| 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 | WPET50/50 | WPET65/65 | WPET70/70 | WPET100/100 | WPET110/110 | WPET120/120 | WPET150/150 | WPET200/200 | WPET300/300 | WPET600/600 |
| Roll Width | TYPICAL | m(<=) | 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 rising from provision of samples, a course of dealing or usage of trade.



Dalian GeoTrans Technology Co., Ltd.

Add: No.8888-1 Southeast Industrial Zone, Youjia, Ganjingzi District, Dalian, China P.C.: 116039

Tel: +86-(0)411 86692019

Fax: +86-(0)411 86692019

Website: www.geotranstechnology.com

E-Mail: enquiry@geo-textile.com

