



ACETex[®] PET woven geotextiles are made of high strength polyester yarns to form a stable weaving structure. ACETex[®] PET Series provides a wide range of strength with high quality. ACETex[®] PET Series is suitable to stabilize the earth structure, such as MSE Wall or Steep Slope, Road, Bridge or Pavement Construction in long term or short term application.

Product Properties

Mechanical Index Properties	Test Method	Unit	GT100-I	GT200-I	GT300-I	GT400-I	GT600-I	GT800-I	GT1000-I	GT100-II	GT200-II	GT300-II
Material High Tenacity Polyester Multifilament												
Tensile Strength - MD	ASTM D4595 ISO 10319	kN/m (lb/ft)	100 (6844)	200 (13687)	300 (20531)	400 (27375)	600 (41062)	800 (54749)	1000 (68437)	100 (6844)	200 (13687)	300 (20531)
Tensile Strength - CD	ASTM D4595 ISO 10319	kN/m (lb/ft)	50 (3422)	50 (3422)	50 (3422)	50 (3422)	50 (3422)	50 (3422)	100 (6844)	100 (6844)	200 (13687)	300 (20531)
Nominal Elongation - MD	ASTM D4595 ISO 10319	%	10	10	10	10	10	10	10	12	12	12
Long Term Design Properties												
Creep Strength at 120yrs	ASTM D5262 ASTM D6992	kN/m (lb/ft)	67 (4585)	133 (9102)	200 (13687)	267 (18273)	400 (27375)	533 (36477)	667 (45647)	67 (4585)	133 (9102)	200 (13687)
Long Term Design Strength at 120yrs - Sandy gravel	FHWA NHI 00-043	kN/m (lb/ft)	49 (3334)	97 (6668)	146 (10002)	195 (13336)	302 (20003)	403 (26671)	532 (33339)	49 (3334)	97 (6668)	146 (10002)
Packing Properties												
Width		m (yd)	3.8 (4.2)	3.8 (4.2)	3.8 (4.2)	5 (5.5)	5 (5.5)	5 (5.5)	5 (5.5)	4.5 (4.9)	4.5 (4.9)	4.5 (4.9)

Note.

1. Calculation of long term design strength is based on design code, FHWA NHI 00-043, which is determined by compounding three reduction factors for creep, installation damage, and environmental effects.
2. The maximum width of ACETex[®] PET woven geotextiles is up to 5.2m.
3. The values given are indicative and correspond to an average of results obtained in ACE laboratory and international testing institutions. The right is reserved to make changes without notice.

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We can customize the product to fulfill different project requirement. If you require more detail information,
please feel free to contact us directly at sales@geoace.com.

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