ACE Geosynthetics

ACETex® PET Specification

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	Units	GT200-I	GT200-II	GT300-I	GT300-II	GT400-I	GT600-I	GT800-I	GT1000-I
Nominal Tensile Strength	-MD	ISO 10319	kN/m	200	200	300	300	400	600	800	1000
Nominal Tensile Strength	-CD	ISO 10319	kN/m	50	200	50	300	50	50	50	100
Nominal Elongation	-MD	ISO 10319	%	10	15	10	15	10	10	10	12
Mechanical Performance Properties											
Long Term Design Strength (120 yr) -Sandy gravel		FHWA NHI 00-043	kN/m	97	97	151	151	202	319	425	532
Packing Properties											
Width			m	3.8	4.5	3.8	4.5	5	5	5	4
Length			m	50	50	50	50	50	50	50	50

Notes:
1. Calculation of long-term design strength is based on design code, FHWA-NHI-00-043, which is determined by compounding the reduction factors for creep, installation damage, and environmental effects.
2. The maximum width of ACETex® PET woven geotextiles is up to 5.2m and the value shown on the data sheet is the most effective dimension.
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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Thank you for your kind interests in our products, we can offer PET Geotextile with tensile strength over 1000kN/m.
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.
We'll be pleased to provide our best assistance.

Accurate, Collaborative, Efficient

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