TEXEL160E

TECHNICAL DATASHEET

Product	Needlepunched nonwoven short staple fibers geotextile
Composition	Polypropylene[1]
Main function	Protection

TEXEL 160E belongs to the E Series, which presents a large variety of polyvalent geotextiles with physical, mechanical and hydraulic properties adapted for protection applications (sealing systems, banks, etc.). These geotextiles remain inert in contact with chemical and biological agents naturally found in soils. The E Series consists of performant, durable and adapted products for different environmental and civil engineering projects.

Property	Test Method	Metric	Imperial
Physical			
Weight	ASTM D5261	542 g/m²	16 oz/yd²
Thickness	ASTM D5199	4.1 mm	160 mils
Mechanical			
Tensile strength	ASTM D4632	1891 N	425 lbs
Elongation at break	ASTM D4632	50 %	
Trapezoid tear	ASTM D4533	667 N	150 lbs
CBR puncture	ASTM D6241	5340 N	1200 lbs
UV resistance	ASTM D4355	70 %/500h	
Hydraulic			
Flow rate	ASTM D4491	1833 lpm/m²	45 gpm/ft²
Permittivity	ASTM D4491	0.57 s-1	
Permeability	ASTM D4491	0.3 cm/s	
AOS[2]	ASTM D4751	150 µm	100 us sieves
Dimensions			
Width	N/A	3.81 - 4.57 - 5.25 m	12.5 - 15 - 17.2 ft
Length	N/A	91.44 m	300 ft

All values are MARV except when specified.
Our quality management system is certified by ISO-9001 standard.
Our internal laboratory is certified by the Geosynthetic Accreditation Institute - Laboratory Accreditation Programm (GAI-LAP).

1-May contain polyester / 2- Maximum average roll value

Revision: 06-27-2016