## TEXEL100E

## TECHNICAL DATASHEET

Product	Needlepunched nonwoven short staple fibers geotextile		
Composition	Polypropylene <sup>1</sup>		
Main function	Protection		

TEXEL 100E 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	339 g/m²	10 oz/yd²	
Thickness	ASTM D5199	2.7 mm	105 mils	
Mechanical				
Tensile strength	ASTM D4632	1200 N	270 lbs	
Elongation at break	ASTM D4632	50 %		
Trapezoid tear	ASTM D4533	444 N	100 lbs	
CBR puncture	ASTM D6241	3220 N	725 lbs	
UV resistance	ASTM D4355	70 %/500h		
Hydraulic				
Flow rate	ASTM D4491	3055 lpm/m <sup>2</sup>	75 gpm/ft <sup>2</sup>	
Permittivity	ASTM D4491	0.94 cm/s		
Permeability	ASTM D4491	0.3 cm/s		
AOS <sup>2</sup>	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

Texel reserves the right to modify existing properties contingent on the evolution of technical knowledge. Each user is invited to verify if this document represents the most recent update. Texel offers no guarantee and assumes no responsibility regarding usage, installation and/or convenience of usage. Texel must be informed of all product defects or product nonconformity prior to installation. Responsibility is limited to replacement of non-compliant or defective product.

