

E SERIES

TECHNICAL DATASHEET

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

Property	Test Method	Unit	TEXEL060E	TEXEL080E	TEXEL100E	TEXEL120E	TEXEL140E	TEXEL160E	TEXEL200E	TEXEL240E	TEXEL280E	TEXEL320E	TEXEL430E											
Physical																								
Weight	ASTM D5261	g/m² oz/yd²	203	6	271	8	340	10	407	12	475	14	542	16	675	20	810	24	950	28	1085	32	1470	43
Thickness	ASTM D5199	mm mils	1.7	65	2.3	90	2.7	105	3.0	120	3.8	150	4.1	160	4.5	177	5	200	5.3	209	5.5	217	6	236
Mechanical																								
Tensile strength	ASTM D4632	N lbs	712	160	979	220	1200	270	1470	330	1730	390	1891	425	2045	460	2220	500	2500	562	2670	600	3300	742
Elongation at break	ASTM D4632	%	50-105		50-105		50-105		50-105		50-105		50-105		50-105		50-105		50-105		50-105		50-105	
Trapezoid tear	ASTM D4533	N lbs	289	65	400	90	444	100	556	125	600	135	667	150	800	180	910	205	1010	227	1200	270	1350	304
CBR puncture	ASTM D6241	N lbs	2000	450	2670	600	3220	725	4000	900	4650	1045	5340	1200	6200	1394	8000	1800	8000	1799	8800	1978	9500	2136
UV resistance	ASTM D4355	%/500h	70		70		70		70		70		70		70		70		70		70		70	
Hydraulic																								
Flow rate	ASTM D4491	L/min/m² G/min/ft²	5080	125	4074	100	3055	75	2544	60	2037	50	1833	45	1050	26	1019	25	-		-		-	
Permittivity	ASTM D4491	s ⁻¹	1.60		1.26		0.94		0.90		0.64		0.57		0.30		0.40		-		-		-	
Permeability	ASTM D4491	cm/sec	0.3		0.3		0.3		0.3		0.25		0.25		0.15		-		-		-		-	
AOS²	ASTM D4751	µm us sieves	212	70	180	80	150	100	150	100	150	100	150	100	150	100	150	100	-		-		-	
Dimensions																								
Width	N/A	m ft	3.81 - 4.57 - 5.25 12.5 - 15 - 17.2											3.9 m 12.8 ft										
Length	N/A	m ft	91.44 300											50 m 164 ft										

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).

All values are MARV except when specified.

The values entered are values obtained at the time of manufacture. Handling and storage conditions may change some properties.

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

Revision : 2019-10-08

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.