

TECHNICAL DATA SHEET

E Series



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	ASTMD5261	g/m ² oz/yd ²	203	6	271	8	340	10	407	12	475	14	545	16	675	20	810	24	950	28	1085	32	1460	43
Thickness	ASTMD5199	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	7	275
Mechanical																								
Tensile strength	ASTMD4632	N lbs	712	160	1024	230	1200	270	1470	330	1730	390	1891	425	2045	460	2220	500	2500	562	2670	600	3300	742
Elongation at break	ASTMD4632	%	50		50		50		50		50		50		50		50		50		50		50	
Trapezoid tear	ASTMD4533	N lbs	312	70	423	95	470	106	556	125	600	135	690	155	800	180	910	205	1110	250	1200	270	1350	304
CBR puncture	ASTMD6241	N lbs	2000	450	2670	600	3220	725	4115	925	4650	1045	5340	1200	6200	1394	8000	1800	8000	1800	10200	2293	10500	2360
UV resistance	ASTMD4355	%/500h	70		70		70		70		70		70		70		70		70		70		70	
Hydraulic																								
Flow rate	ASTMD4491	L/min/m ² G/min/ft ²	5080	125	4482	110	3463	85	3056	75	2037	50	2037	50	1050	26	1019	25	-	-	-	-	-	-
Permittivity	ASTMD4491	s ⁻¹	1.60		1.5		1.2		0.90		0.7		0.7		0.30		0.40		-		-		-	
Permeability	ASTMD4491	cm/sec	0.38		0.38		0.31		0.31		0.31		0.31		0.15		-		-		-		-	
AOS ⁽²⁾	ASTMD4751	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									3.81 12.5												
Length	N/A	m ft	91.44 300									50 164												

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

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Texel reserves the right 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 nonconformity prior to installation. Responsibility is limited to replacement of non-compliant or defective product.

