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/m² oz/yd²	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	5.8	228	6	236	7	275
Mechanical																								
Tensile strength	ASTMD4632	N | lbs	757	170	1024	230	1200	270	1470	330	1730	390	1891	425	2045	460	2220	500	3226	725	3694	830	4000	899
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	5800	1305	6200	1394	8000	1800	9345	2100	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/m² G/min/ft²	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	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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