

# TECHNICAL DATA SHEET

## E Series



<b>Product</b>	Needlepunched nonwoven short staple fibers geotextile
<b>Composition</b>	Polypropylene <sup>(1)</sup>
<b>Main Function</b>	Protection

Property	Test Method	Unit	TEXEL060E	TEXEL080E	TEXEL100E	TEXEL120E	TEXEL140E	TEXEL160E	TEXEL200E	TEXEL240E	TEXEL280E	TEXEL320E	TEXEL430E											
<b>Physical</b>																								
Weight	ASTMD5261	g/m <sup>2</sup> oz/yd <sup>2</sup>	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
<b>Mechanical</b>																								
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	
<b>Hydraulic</b>																								
Flow rate	ASTMD4491	L/min/m <sup>2</sup> G/min/ft <sup>2</sup>	5080	125	4482	110	3463	85	3056	75	2037	50	2037	50	1050	26	1019	25	-	-	-	-	-	-
Permittivity	ASTMD4491	s <sup>-1</sup>	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 <sup>(2)</sup>	ASTMD4751	µm us sieves	212	70	180	80	150	100	150	100	150	100	150	100	150	100	150	100	150	100	150	100	150	100
<b>Dimensions</b>																								
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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