

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	1024	230	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	312	70	423	95	470	106	556	125	600	135	690	155	800	180	910	205	1110	250	1200	270	1350	304
CBR puncture	ASTM D6241	N lbs	2000	450	2670	600	3220	725	4000	900	4650	1045	5340	1200	6200	1394	7150	1607	8000	1800	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	4482	110	3055	75	2544	60	2037	50	1833	45	1050	26	1019	25	-		-		-	
Permittivity	ASTM D4491	s ⁻¹	1.60		1.5		0.94		0.90		0.64		0.57		0.30		0.40		-		-		-	
Permeability	ASTM D4491	cm/sec	0.38		0.38		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														3.81 m 12.5							
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

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