

HUITEX LLDPE SINGLE SIDE TEXTURED GEOMEMBRANE – GM17

Properties	Test Method	VS075	VS100	VS150	VS200	VS250
Nominal Thickness, mm (1)		0.75	1.00	1.50	2.00	2.50
Average values	ASTM D5994	0.71	0.95	1.43	1.90	2.38
Lowest Individual Reading		0.64	0.85	1.28	1.70	2.13
Asperity Height (2)	ASTM D7466	0.40	0.40	0.40	0.40	0.40
Sheet density, g/cm ³	ASTM D792	0.939	0.939	0.939	0.939	0.939
Melt Index, 190/2.16, g/10min	ASTM D1238	<1	<1	<1	<1	<1
Tensile Properties:	ASTM D6693					
1.Strength at Break, kN/m	Type IV specimen	9	11	16	21	26
2Elongation at Break, %	@ 50 mm/min	250	250	250	250	250
Tear Resistance, N	ASTM D1004	70	100	150	200	250
Puncture Resistance, N	ASTM D4833	150	200	300	400	500
Carbon Black Content, %	ASTM D1603	2-3	2-3	2-3	2-3	2-3
Carbon Black Dispersion	ASTM D5596	note(3)	note(3)	note(3)	note(3)	note(3)
Oxidative Induction Time, mins	ASTM D 3895	100	100	100	100	100
Oven Aging at 85°C	ASTM D5721					
Standard OIT, %	ASTM D3895	35	35	35	35	35
UV resistance	ASTM D7238					
High Pressure OIT, %	ASTM D5885	35	35	35	35	35
2% Modulus (max), kN/m	ASTM D5323	315	420	630	840	1050
Axi-symmetric break strain,%	ASTM D5617	30	30	30	30	30
Roll Width, m		7	7	7	7	7
Roll Length, m		225	170	128	98	76
Roll Area, m ²		1575	1190	896	686	532

NOTES:

- (1). Lowest thickness for 8 out of 10 values is -10% of the nominal value; lowest thickness for any of the 10 value is -15% of the nominal thickness.
- (2). Alternate the measurement side for double side textured sheet.
- (3). Carbon black dispersion for 10 different views: all 10 in Categories 1 or 2.

- All values are nominal test results, except as minimum or maximum when specified.

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