

HUITEX LLDPE SINGLE SIDE TEXTURED GEOMEMBRANE – GM17

Properties	Test Method	VS075	VS100	VS150	VS200	VS250
Thickness, mm Average values	ASTM D5994	0.71	0.95	1.43	1.90	2.38
Asperity Height (2)	ASTM D7466	0.40	0.40	0.40	0.40	0.40
Sheet density, g/cm ³ (max)	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:						
1.Strength at Break, kN/m	ASTM D6693 Type IV specimen	9	11	16	21	26
2.Elongation 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 D4218	2-3	2-3	2-3	2-3	2-3
Carbon Black Dispersion	ASTM D5596	note(2)	note(2)	note(2)	note(2)	note(2)
Oxidative Induction Time, mins	ASTM D 3895	100	100	100	100	100
Oven Aging at 85°C	ASTM D5721	35	35	35	35	35
Standard OIT, %	ASTM D3895					
UV resistance	ASTM D7238	35	35	35	35	35
High Pressure OIT, %	ASTM D5885					
2% Modulus (max), MPa	ASTM D5323	414	414	414	414	414
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:

(*) All values are Minimum average value unless otherwise specified.

(1). Machine direction (MD) and cross machine direction (XMD) average values should be on basis of 5 test specimens each direction.

Break elongation is calculated using a gauge length of 50 mm.

(2). Carbon black dispersion for 10 different views: all 10 in Categories 1 or 2.

(3). UV resistance is base on percent retained value regardless of the original HP-OIT value.

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