

HUITEX LLDPE SINGLE SIDE TEXTURED GEOMEMBRANE – ENHANCED GM17

Properties	Test Method	VS100	VS150	VS200	VS250
Thickness, mm Average values	ASTM D5994	0.95	1.43	1.90	2.38
Asperity Height (2)	ASTM D7466	0.40	0.40	0.40	0.40
Sheet density, g/cm ³	ASTM D792	0.939	0.939	0.939	0.939
Melt Index, 190/2.16, g/10min	ASTM D1238	<1	<1	<1	<1
Tensile Properties: ⁽¹⁾	ASTM D6693				
1.Strength at Break, kN/m	Type IV specimen	11	16	21	26
2.Elongation at Break, %	@ 50 mm/min	250	250	250	250
Tear Resistance, N	ASTM D1004	100	150	200	250
Puncture Resistance, N	ASTM D4833	200	300	400	500
Carbon Black Content, %	ASTM D4218	2-3	2-3	2-3	2-3
Carbon Black Dispersion	ASTM D5596	note(2)	note(2)	note(2)	note(2)
Oxidative Induction Time, mins	ASTM D 3895	100	100	100	100
Oven Aging at 85°C	ASTM D5721				
Standard OIT, %	ASTM D3895	35	35	35	35
High Pressure OIT, %	ASTM D5885	60	60	60	60
UV resistance	ASTM D7238	35	35	35	35
High Pressure OIT, %	ASTM D5885				
2% Modulus (max), KN/m	ASTM D5323	420	630	840	1050
Axi-symmetric break strain,%	ASTM D5617	30	30	30	30
Roll Width, m		7	7	7	7
Roll Length, m		170	128	98	76
Roll Area, m ²		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.

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