

HUITEX LLDPE DOUBLE SIDE TEXTURED GEOMEMBRANE – ENHANCED GM17

Properties	Test Method	VX100	VX150	VX200	VX250
Thickness, mm (1) 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 (max)	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 D3895	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				
High Pressure OIT, %	ASTM D5885	35	35	35	35
2% Modulus (max), MPa	ASTM D5323	414	414	414	414
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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