

HUITEX HDPE SINGLE SIDE TEXTURED GEOMEMBRANE- ENHANCED GM13

Properties	Test Method	HS100	HS150	HS200	HS250
Thickness, mm Average values	ASTM D5994	0.95	1.43	1.90	2.38
Asperity Height , mm	ASTM D7466	0.40	0.40	0.40	0.40
Sheet density, g/cm ³	ASTM D792	0.94	0.94	0.94	0.94
Melt Index, 190/2.16, g/10min	ASTM D1238	<1	<1	<1	<1
Tensile Properties: ⁽¹⁾	ASTM D6693 Type IV specimen				
1.Strength at Yield, KN/m	@ 50 mm/min	15	22	29	37
2.Strength at Break, KN/m		10	16	21	26
3.Elongation at Yield, %	G.L. = 33 mm	12	12	12	12
4.Elongation at Break, %	G.L. = 50 mm	100	100	100	100
Tear Resistance, N	ASTM D1004	125	187	249	311
Puncture Resistance, N	ASTM D4833	267	400	534	667
Stress Crack Resistance, hrs	ASTM D5397 (Appendix)	500	500	500	500
Carbon Black Content, %	ASTM D1603	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					
- Standard OIT	ASTM D8117	100	100	100	100
- High Pressure OIT	ASTM D5885	400	400	400	400
Oven Aging at 85°C	ASTM D5721				
- Standard OIT , %	ASTM D8117	55	55	55	55
- High Pressure OIT , %	ASTM D5885	80	80	80	80
UV resistance ⁽³⁾	ASTM D7238	50	50	50	50
High Pressure OIT, %	ASTM D5885				
Roll Width, m		8	8	8	7
Roll Length, m		170	128	98	76
Roll Area, m ²		1360	1024	784	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.

Yield elongation is calculated using a gauge length of 33 mm.

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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