HUITEX HDPE SMOOTH WHITE/BLACK GEOMEMBRANE - GM13

Properties	Test Method		HD150B/W HP150B/W		HD250B/W	HD300B/W
Thickness, mm Average values Lowest individual of 10 values	ASTM D5199	1.00 0.90	1.50 1.35	2.00 1.80	2.50 2.25	3.00 2.70
Sheet density, g/cm ³	ASTM D792	0.940	0.940	0.940	0.940	0.940
Tensile Properties: ⁽¹⁾	ASTM D6693 Type IV specimen					
1.Strength at Yield, KN/m 2.Strength at Break, KN/m	@ 50 mm/min	15 27	22 40	29 53	37 67	44 80
3.Elongation at Yield, % 4.Elongation at Break, %	G.L. = 33 mm G.L. = 50 mm	12 700	12 700	12 700	12 700	12 700
Tear Resistance, N	ASTM D1004	125	187	249	311	374
Puncture Resistance, N	ASTM D4833	320	480	640	800	960
Stress Crack Resistance, hrs	ASTM D5397 (Appendix)	500	500	500	500	500
Carbon Black Content, %	ASTM D1603	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 D8117	100	100	100	100	100
Oven Aging at 85°C Standard OIT, %	ASTM D5721 ASTM D8117	55	55	55	55	55
UV resistance ⁽³⁾ High Pressure OIT, %	ASTM D7238 ASTM D5885	50	50	50	50	50
Roll Width, m		7/8	7/8	7/8	7	7
Roll Length, m		210	140	105	84	70
Roll Area, m ²		1470/1680	980/1120	735/840	588	490

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.
- (3) UV resistance is base on percent retained value regardless of the original HP-OIT value.
- ** Carbon Black Content, Carbon Black Dispersion, OIT, Density only for the Middle layer, White layer doesn't include in the measurement.

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