Textured HDPE Product Data Sheet

HDPE textured is a high quality high density polyethylene(HDPE) geomembrane with one or two coe extruded textured surfaces , and consisting of aproxamately 97.5% polyethylene, 2.5% carbon black and trace amounts of anti oxidents and heat stabilizers; no other additives, fillers or extenders are used. The resin used is specially formulated, virgin polyethylene and is designed specifically for flexible geomembrane applications. HDPE textured has excellent resistance to UV radiation and is suitable for exposed conditions. This product allows projects with greater slopes to be designed since frictional characteristics are enhanced. Provides safer working surface for sub zero temperature installations. These product specifications meet or exceed GRI GM13

TESTED PROPERTY	TEST METHOD	FREQUENCY	MINIMUM VALUE			
Product Code			HDT 040A000	HDT 060A000	HDT 080A000	HDT 100A000
Avg.Thickness, mils (mm)	ASTM D5994	Every roll	36 (0.91)	54 (1.4)	72 (1.8)	90 (2.3)
Density, g/cm3	ASTM D1505	2000,000lb	0.94	0.94	0.94	0.94
Tensile Properties (each direction)		20,000lb				
Strength at Break N/mm (lb/in-width)	ASTM D6693,Type IV		11 (60)	16 (90)	21 (120)	27 (150)
Stentgh at Yield, N/mm (lb/in-width)	Dumbell, 2 ipm		15 (84)	23 (130)	30 (173)	38 (216)
Elongation at Break, %	G.L.=2.0in (51mm)		150	150	150	150
Elongation at Yield, %	G.L. 1.3in (33mm)		13	13	13	13
Tear resistance, N (lb),	ASTM D1004	45,000lb	125 (28)	187 (42)	249 (56)	311 (70)
Puncture Resistance, N (lb)	ASTMD 4833	45,000lb	320 (72)	480 (108)	641 (144)	801 (180)
Carbon Black Content, %	ASTMD 1603	20,000lb	2.0	2.0	2.0	2.0
Notched Tensile Load2, hrs	ASTMD 5397,Appendix	2000,000lb	400	400	400	400
Low Temperature Brittleness	ASTM D 746	**< -77 degress Celcius**				
Roll Length, m			215	129	98.5	77
Roll Width, m			6.9	6.9	6.9	6.9
Roll Area, m2			1484	893	680	531
HDPE comes in both black single and double textured and white reflective single and double textured.						

Note:
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