

Textured LLDPE ULTRA FLEX Product Data Sheet

LLDPE ULTRA FLEX textured is a high quality linear low density polyethylene geomembrane with one or two coe extruded textured surfaces , and consisting of approximately 97.5% polyethylene, 2.5% carbon black with trace amounts of anti oxidants and heat stabilizers; no other additives, fillers or extenders are used. The resin used is specially formulated, virgin proprietary polyethylene and is designed specifically for flexible geomembrane applications. Ultraflex 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			LUT040A000	LUT06A000
Thickness, mm (mils)	ASTM D5994	Every roll	0.91 (36)	1.4 (54)
Density, g/cm ³	ASTM D1505	2000,000lb	0.92	0.92
Tensile Properties (each direction)	ASTM D6693, Type IV	20,000lb		
Strength at Break (N/mm) lb/in-width	Dumbbell, 2 ipm		18 (100)	23 (132)
Elongation at Break, %	G.L.=2.0in (51mm)		500	500
Tear resistance, N (lb)	ASTM D1004	45,000lb	98 (22)	147 (33)
Puncture Resistance, N (lb)	ASTM D 4833	45,000lb	214 (48)	375 (73)
Carbob Black Content, %	ASTM D 1603	20,000lb	2.0	2.0
Low temperature brittleness	ASTM D 746	< -77 degrees Celcius		
Roll Length, ft (m)			215	129
Roll Width, ft (m)			6.9	6.9
Roll Area, ft (m)			1484	893
LLDPE UltraFlex comes in both black single and double textured and white reflective single and double textured.				

Note:

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