

ProFlex - Textured

High Performance Textured Geomembrane

An LLDPE geomembrane with a textured surface on one or both sides used in applications that require increased frictional resistance, flexibility and elongation properties.

ProLine High Performance ProFlex Textured is a co-extruded linear low density polyethylene (LLDPE) geomembrane available on one or both sides. It is manufactured from the highest quality resin specifically formulated for flexible geomembranes. This product is used in applications that require increased frictional resistance, flexibility and elongation properties where differential or localized subgrade settlements may occur such as in a landfill closure or steep-sloped pits.

These Product Specifications Exceed GRI GM17

Product Specifications			Minimum Average Value				
			30 mil	40 mil	60 mil	80 mil	100 mil
Property Tested	Test Method	Frequency					
Thickness, Mil Lowest individual Reading	ASTM D 5199	Every Roll	30 27	40 36	60 54	80 72	100 90
Density, g/cm ³	ASTM D 1505	200,000 lbs	0.939	0.939	0.939	0.939	0.939
Tensile Properties (each direction) Strength at Break, lb/in-width Elongation at Break, %	ASTM D 6693, Type IV Dumbell, 2 ipm G.L. 2.0 in	20,000 lbs	45 250	60 250	90 250	120 250	150 250
Tear Resistance, lb	ASTM D 1004	45,000 lbs	16	22	33	44	55
Puncture Resistance, lb	ASTM D 4833	45,000 lbs	33	44	66	88	110
Carbon Black Content ³ , % (Range)	ASTM D 1603*/4218	20,000 lbs	2.0 - 3.0	2.0 - 3.0	2.0 - 3.0	2.0 - 3.0	2.0 - 3.0
Carbon Black Dispersion	ASTM D 5596	45,000 lbs	Note 1	Note 1	Note 1	Note 1	Note 1
Oxidative Induction Time, mins	ASTM D 3895 200°C; O ₂ , 1atm	200,000 lbs	> 100	> 100	> 100	> 100	> 100
Asperity Height, mil	ASTM D 7466	Second Roll	16	18	18	18	18

NOTES:

(1) Dispersion only applies to near spherical agglomerates. 9 of 10 views shall be Category 1 or 2. No more than 1 view from Category 3

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