



GeoCHEM GEOFlex LLDPE White

GeoCHEM GEOFlex-White is the white surfaced version of GeoCHEM GEOFlex. Manufactured from a premium grade linear low density polyethylene resin specially formulated for geomembrane applications, this product provides high uniaxial and multiaxial elongation characteristics making it very suitable for applications where differential or localized subgrade settlements are expected such as leach pads, landfill closure caps, or any application where elongation or puncture resistance is critical. GEOFlex-White is the only material of its type on the market with many years of proven performance in applications throughout the world. The patented white surface reduces heat buildup on the liner by reflecting solar energy. Reducing liner temperature leads to fewer wrinkles and less subgrade desiccation. *These product specifications meet or exceed GRI GM 77.*

Product Specifications

TESTED PROPERTY	TEST METHOD	FREQUENCY	MINIMUM	VALUE
Product Code			LLD040.AO10	LLD060A010
Thickness, (minimum average) mil (mm) Lowest individual reading (-10%)	ASTM D 5199	every roll	40 (1.00) 36 (0.91)	60 (1.50) 54 (1.40)
Density ² g/cm ³	ASTM D 1505	200,000 lb	0.92	0.92
Tensile Properties (each direction) Strength at Break, lb/in-width (N/mm) Elongation at Break, %	ASTM D 6693. Type IV Dumbell, 2 ipm G.L. = 2.0 in (51 aim;)	20,000 lb	152 (27) 800	228 (40) 800
Tear Resistance, lb (N)	ASTM D 1004	45,000 lb	22 (98)	33 (147)
Puncture Resistance, lb (N)	ASTM D 4833	45,000 lb	56 (250)	84 (370)
Carbon Black Content ¹ , %	ASTM D1603	20,000 lb	2.0	2.0
Carbon Black Dispersion	ASTM D 5596	45,000 lb	+Note I	+Note 1
REFERENCE PROPERTY	TEST METHOD	FREQUENCY	NOMINAL	VALUE
Oxidative Induction Time ² , min	ASTM D 3895, 200°C; O ₂ 1atm	200,000 lb	>100	>100
Roll Length ³ (approximate), ft (m)			870 (265)	560 (171)
Roll Width ³ , ft (m)			22.5(6.9)	22.5 (6.9)
Roll Area ² , ft im ²			19,575 (1,819)	12,600 (1,171)

NOTES:

+Note 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.

- GEOFlex White is available in rolls weighing at 3,800 lb (1,724 kg).
- ¹GEOFlex White may have on overall ash content greater than 3.0% due to the white layer.
- All LLDPE geomembranes have dimensional stability of +/- 2% when tested with ASTM D 1204 and LTB of <-77° C when rested with ASTM D 746.
- ²The values apply to the black layer only.
- ³Roll lengths and widths have a tolerance of ± 1%.

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