

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 Dumbbell, 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 m 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 LT B 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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