

CONTERRA LINER 807

SCRIM REINFORCED POLYETHYLENE – MEETS GRI-GM25



PRODUCT DESCRIPTION

CONTERRA LINER 807 is a flexible geomembrane, reinforced with a closely knit 9x9 weft inserted polyester scrim fully encapsulated between two layers of highly UV stabilized linear low density polyethylene. Exceptional toughness, high tensile and puncture strength is achieved with the combination of premium high strength LLDPE and dense scrim reinforcement. A highly stabilized formulation consisting of antioxidants, UV stabilizers and carbon black provide excellent protection for long-term exposed or barrier applications. CONTERRA LINER geomembranes are produced in the color black as standard, and are available in other custom manufactured colors with minimum order quantity requirements.

PRODUCT USE

CONTERRA LINER 807 is used in applications that require exceptional outdoor life requiring up to 20 years of exposure depending upon the geographical location. Applications requiring high tear properties, exceptional tensile strength and puncture resistance utilize 807 to meet these demands. CONTERRA LINER 807 is manufactured from a chemical-resistant, linear-low-density polyethylene with excellent cold crack performance and resistance to thermal expansion.

CONTERRA LINER 807 meets the physical property values as stated in GRI test method GM25.

SIZE & PACKAGING

CONTERRA LINER 807 is available in a variety of widths and lengths to meet the project requirements. Large diameter mill rolls are available to assure an efficient seaming process. Factory quality welded panels are produced in a controlled environment and are accordion folded and tightly rolled on a heavy-duty core for ease of handling and time saving installation.

CONTERRA LINER 807



Bio-Cell Liner

PRODUCT

PART

CONTERRA LINER 807

APPLICATIONS

- | | |
|-------------------------|-------------------------|
| Waste Lagoon Liners | Landfill Caps |
| Floating Covers | Erosion Control Covers |
| Daily Landfill Covers | Canal Liners |
| Modular Tank Liners | Disposal Pit Liner |
| Tunnel Liners | Water Containment Ponds |
| Remediation Liners | Heap Leach Liner |
| Earthen Liners | Secondary Containment |
| Interim Landfill Covers | Fertilizer |
| Remediation Covers | Bio-Retention Basins |

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| | | CONTERRA LINER 807 | | | |
|-------------------------------------|--------------------------|---|---------------------|----------------------|----------------------|
| | | IMPERIAL | | METRIC | |
| PROPERTIES | TEST METHOD | MINIMUM | TYPICAL | MINIMUM | TYPICAL |
| APPEARANCE | | Black | | Black | |
| THICKNESS | ASTM D5199 | 27 mil | 30 mil | 0.69 mm | 0.76 mm |
| WEIGHT | ASTM D751 | 126 lbf/msf | 144 lbf/msf | 615 g/m ² | 703 g/m ² |
| CONSTRUCTION | | 9x9-1000 Denier PET scrim reinforced polyethylene | | | |
| TONGUE TEAR STRENGTH | ASTM D5884 | 70 lbf | 115 lbf | 311 N | 512 N |
| GRAB TENSILE AT BREAK | ASTM D7004 | 220 lbf | 280 lbf | 979 N | 1246 N |
| TENSILE ELONGATION AT BREAK | ASTM D7004 | 22 % | 30 % | 22 % | 30 % |
| PUNCTURE RESISTANCE | ASTM D4833 | 80 lbf | 100 lbf | 356 N | 445 N |
| STANDARD OIT OR HIGH PRESSURE HPOIT | ASTM D3895 ASTM D5885 | 100 min 400 min | 150 min 2400 min | 100 min 400 min | 150 min 2400 min |
| HYDRAULIC CONDUCTIVITY | | 2.20 x 10 ⁻¹⁰ cm/sec | | | |
| MAXIMUM STATIC USE TEMPERATURE | | 180° F | | 82° C | |
| MINIMUM STATIC USE TEMPERATURE | | -70° F | | -57° C | |

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Note: To the best of our knowledge, unless otherwise stated, these are typical property values and are intended as guides only, not as specification limits. Chemical resistance, odor transmission, longevity as well as other performance criteria is not implied or given and actual testing must be performed for applicability in specific applications and/or conditions. CONTERRA INCORPORATED MAKES NO WARRANTIES AS TO THE FITNESS FOR A SPECIFIC USE OR MERCHANTABILITY OF PRODUCTS REFERRED TO, no guarantee of satisfactory results from reliance upon contained information or recommendations and disclaims all liability for resulting loss or damage.

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