

SAFE SEAL WRAP

# 2mm LLDPE Single Textured Flooring

Safe Seal's Single Textured LLDPE Geomembrane is a premium 2.0 mm containment liner for environmental, civil, mining, and industrial applications. With a textured surface for improved traction and high resistance to puncture, tearing, weathering, and UV exposure, it provides durable, long-term protection for critical containment projects while meeting GRI GM13 performance standards.

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|---|---|
| MATERIAL: | Polyethylene |
| COLOR: | Black |
| THICKNESS: | 2.0 mm |

**Precautions:**
Handle and install with care to avoid punctures or damage. Ensure all seams are properly welded and tested to maintain a secure containment system.

**Applications:**
Suitable for environmental, civil, mining, industrial, and agricultural containment applications, including ponds, landfills, wastewater, and secondary containment systems.

| TEST ITEM | | STANDARD VALUE | TESTING VALUE |
|---|---|---|---|
| AVERAGE THICKNESS (MM) | | ≥ 2.0 | 2.03 |
| ASPERITY HEIGHT (MM) | | ≥ 0.4 | 0.43 |
| DENSITY (MAX) (G/CM³) | | ≤ 0.939 | 0.93841 |
| YIELD STRENGTH (N/MM) | MD | ≥ 22 | 31.2 |
| | CD | ≥ 22 | 32.6 |
| YIELD ELONGATION (%) | MD | ≥ 12 | 13.2 |
| | CD | ≥ 12 | 12.4 |
| BREAKING STRENGTH (N/MM) | MD | ≥ 21 | 35.2 |
| | CD | ≥ 21 | 36.8 |
| BREAKING ELONGATION (%) | MD | ≥ 250 | 608 |
| | CD | ≥ 250 | 621 |
| TEAR STRENGTH (N) | MD | ≥ 200 | 250 |
| | CD | ≥ 200 | 253 |



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| TEST ITEM | STANDARD VALUE | TESTING VALUE |
|---|---|---|
| PUNCTURE RESISTANCE (N) | ≥ 400 | 613 |
| STANDARD OXIDATIVE INDUCTION TIME (MIN) | ≥ 100 | 171 |
| CARBON BLACK CONTENT (%) | 2.0–3.0 | 2.32 |
| 2% MODULUS (MAX.) (N/MM) | 840 | 835 |
| AXI-SYMMETRIC BREAK RESISTANCE STRAIN (MIN.) (%) | 30 | 31.2 |
| CARBON BLACK DISPERSION | 9 in categories 1 or 2 and approved, 1 in 3 category | PASS |
| OXIDATIVE INDUCTION TIME (MIN. AVE.)<br>STANDARD OIT – MIN. (MIN) | 100 | 120 |
| OVEN AGING AT 85°C<br>STANDARD OIT (MIN. AVE.) – % RETAINED AFTER 90 DAYS (%) | 35 | 35 |
| UV RESISTANCE<br>HIGH PRESSURE OIT (MIN. AVE.) – % RETAINED AFTER 1600 HRS (%) | 35 | 35 |
| **THE INTERNATIONAL STANDARD BEING TESTED TO IS: GRI GM 13** | | |