



Ultra-Land Liner

Technical Data Sheet HDPE Membrane 2mm

HDPE 2mm membrane is a high density PE geomembrane for use in landfill, tunnel, reinforcement, drainage and separation applications. It has been stabilized to resist degradation due to ultraviolet exposure and is resistant to commonly encountered mildew, insects and soil chemicals, and is non-biodegradable.

SPECIFICATIONS:

The **HDPE 2mm membrane** will utilize the following characteristics:

| PROPERTY | TEST METHOD | UNIT | MIN. AVG.ROLL VALUE | |
|---|---|----------|---------------------|---|
| Thickness | ASTM D5944 | mm | 2 | |
| Tensile Strength | ASTM D6693 | KN/m | 35 | |
| Break Elongation | ASTM D6693 | % | 500 | |
| Grab Tensile Elongation | ASTM D6693 | % | 13% | - |
| CBR Puncture | ASTM D4833 | N | 534 | |
| Trapezoid Tear Strength | ASTM D1004 | N | 270 | |
| Carbon Black Content | ASTM D4218 | % | 2% | |
| Carbon Black Dispersion | ASTM D5596 | Category | Cat. 1 / Cat. 2 | |
| Oxidation Induction Time ST OIT / HP OIT | ASTM D3895 | Min | >100 / >400 | |
| UV Resistance@1600hrs HP OIT | ASTM D4355 ASTM D5885 | % | >75% | - |
| Maximum Dimensional Stability | ASTM D1204 1 hour at 100 degree C | % | +/- 1.5% | - |

Values quoted above are the result of multiple tests conducted at an independent testing facility. HDPE 2mm membrane meets or exceeds values listed. ¹ Values apply to both machine and cross- machine directions.

PACKING:

| | | |
|-------------|-----------------------------------|---|
| Roll Width | Ft (m) | 26 ft (8 m) |
| Roll Length | Ft (m) | 341 ft. (105 m) |
| Roll Area | YD ² (m ²) | 985 YD ² (840 m ²) |

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