



HDPE TEXTURED GEOMEMBRANE



GeoLiner HMT 1.5

GeoLiner HMT is made of high density polyethylene (HDPE) material and is a textured geomembrane liner on one side. High elasticity and shear strength properties provide superior sealing performance in mining sites and waste storage areas.

| MECHANICAL - PHYSICAL PROPERTIES | VALUE | UNIT | TOLERANCE |
|--|---------|-------------------|-------------|
| Thickness ASTM D 5199 | 1.5 | mm | +/-5% |
| Roughness Height ASTM D 7466 | 0.40 | mm | (min. Avg.) |
| Tensile Properties (ASTM D 6693) | | | |
| Tensile strength at yield | 24 | kN/m | (min. Avg.) |
| Tensile strength at break | 22 | kN/m | (min. Avg.) |
| Elongation at yield | 12 | % | (min. Avg.) |
| Elongation at break | 400 | % | (min. Avg.) |
| Tear Resistance ASTM D 1004 | 202 | N | (min. Avg.) |
| Static Puncture Resistance (CBR) ASTM D 4833 | 0.450 | kN | (min. Avg.) |
| Dimensional Stability (each direction) ASTM D 1204 | +/- 2 | % | - |
| RAW METARIAL CHARACTERISTICS | | | |
| Density ASTM D 1505 | ≥ 0.940 | g/cm ³ | - |
| Melt Flow Index ASTM D 1238 | ≤ 3 | g/10 min | - |
| Carbon Black Content ASTM D 4218 | 2-3 | % | - |
| Carbon Black Dispersion ASTM D 4218 | 1/2 | Category | - |
| DURABILITY UV RESISTANCE | | | |
| UV Resistance | | Yes | |
| Oxidative Induction Time (OIT) ASTM D 3895 | ≥ 100 | min | - |
| Stress Cracking Resistance ASTM D 5397 | ≥ 500 | hour | |
| Oven Aging-HP OIT (after 90 days) ASTM D 5585 | 80 | % | (min. Avg.) |

APPLICATION AREAS



FUNCTIONS



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NOTES:

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.
2. NCTL for Geomas Textured is conducted on representative smooth geomembrane samples.