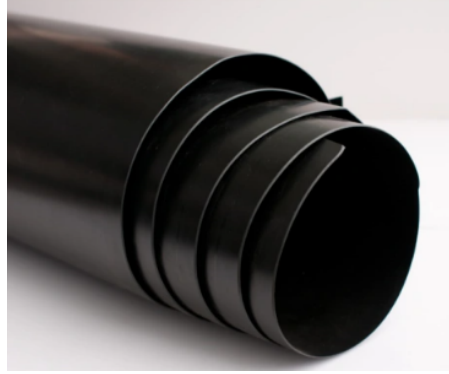


CONFORMITY OF PRODUCT

TME GeoTech LDPE Geomembrane



Purpose of Usage

Environmental Containment, Water Management & Aquaculture, Seepage Control, Building & Infrastructure Protection, Secondary Containment

Application Locations

Agriculture & Aquaculture, Water Management & Treatment, Environmental & Mining, Construction & Civil Engineering, Industrial Containment.

| Parametre | Unit | 0.75mm | 1.00mm | 1.25mm | 1.50mm | 2.00mm | 2.50mm | 3.00mm |
|---|------------------------------|---|--------|--------|--------|--------|--------|--------|
| Density | g/cm ³ | 0.939 | | | | | | |
| Yield strength | N/mm | 11 | 15 | 18 | 22 | 29 | 37 | 44 |
| Break strength | N/mm | 20 | 27 | 33 | 40 | 53 | 67 | 80 |
| Yield elongation | % | 12 | | | | | | |
| Break elongation | % | 700 | | | | | | |
| Tear resistance | N | 93 | 125 | 156 | 187 | 249 | 311 | 374 |
| Puncture resistance | N | 240 | 320 | 400 | 480 | 640 | 800 | 960 |
| Stress crack resistance | Hours | 300 | | | | | | |
| Carbon black content | % | 2.0-3.0 | | | | | | |
| Carbon black dispersion | % | Carbon black dispersion (only near spherical agglomerates) for 10 | | | | | | |
| Standard | OIT/min | 100 | | | | | | |
| High pressure | OIT/min | 400 | | | | | | |
| Standard retained after 90days | OIT-% | 55 | | | | | | |
| High pressure retained after 90days | OIT-% | 80 | | | | | | |
| Standard retained after 1600 hours | OIT | 50 | | | | | | |
| High pressure retained after 1600 hours | OIT | 50 | | | | | | |
| Permeability | g.cm / (cm ²).pa | ≤q 1.0 Times 10 ⁻¹³ | | | | | | |
| Dimensional stability | | ±2.0 | | | | | | |

Product Features

LDPE (Low-Density Polyethylene) geomembranes are highly flexible, durable liners known for excellent conformability to uneven terrain, high tensile strength, and superior chemical resistance. Featuring high elongation and resistance to low temperatures (-70 C), they are ideal for waterproofing and seepage control in landfills, aquaculture, and civil engineering projects.