

# Tank Lining

## Supplied and Installed by Engineered Linings

- ? Potable grade Linear Low Density Polyethylene (LLDPE).
- ? Flexible, loose fitted lining.
- ? Heat welded, fully tested joints.
- ? Full on-site QC testing.

<b>GEOFLEX</b> <b>Light Blue Pigment - LLDPE - Smooth Tank Lining</b>
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Index Properties	Test Method	1,50mm	Frequency
Thickness - (min. ave.)	D 5199	nom. (mm) -10%	per roll
Density g/ml (max.)	D 1505/D 792	0,939 g/ml	90 000 kg
Tensile Properties <sup>(1)</sup> (min.ave.) . break strength – N/mm . break elongation -%	D 6693 Type IV	40 800	9 000 kg
2% Modulus – N/mm (max.)	D 5323	630	Per formulation
Tear Resistance - N (min. ave)	D 1004	150	20 000 kg
Puncture Resistance – N (min. ave.)	D 4833	370	20 000 kg
Axi-Symmetric Break Resistance Strain - % (min).	D 5617	30	Per formulation
Oxidative Induction Time (OIT) (min. ave.) <sup>(2)</sup> minutes a) Standard OIT or b) High Pressure OIT	D 3895 D 5885	100 400	90 000 kg
<b>Performance Properties</b>			
Oven Aging at 85° C <sup>(3)</sup> a) Standard OIT (min. ave.) - % retained after 90 days or b) High Pressure OIT (min. ave.) % retained after 90 days	D 5721 D 3895  D 5885	35  60	per formulation

1. Machine direction (MD) and cross machine direction (XMD) average values should be on the basis of 5 test specimens each direction  
- Break elongation is calculated using a gauge length of 50 mm at 50mm/min.
2. The manufacturer has the option to select either one of the OIT methods listed to evaluate the antioxidant content in the geomembrane.
3. It is also recommended to evaluate samples at 30 and 60 days to compare with the 90-day response.

Note: LLDPE does not suffer from Stress Cracking

Lining Material Supplied by **Engineered Linings Pty (Ltd)**

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