

Technical Data Sheet

Polygomma EPDM Pond Liner

Description

Polygomma EPDM Pond Liner (Grade PL) is a non-reinforced cured single-ply EPDM liner.

Preparation of Substrates

The substrate should be free from any objects that would damage the EPDM pond liner. If required, consider laying a 250-300 GSM geotextile on the soil before laying the EPDM liners.

Suggested Application Procedure

- Compact the soil to the tune of 85%-95% (Standard Proctor). Make sure all debris that could damage the EPDM liner are removed.
- Lay a 250-300 GSM geotextile. Maintain an overlap of minimum 50 mm for the geotextile,
- Lay the EPDM pond liner. The overlaps of the EPDM pond liner are done with either the seam tapes or the bonding adhesive.
- As a general thumb rule, the anchoring (for termination) is set-up approximately 1 meter back from the top of the slope. The anchor trench is generally 0.5-meter-wide and 1 meter deep.

Please contact the manufacturer for detailed application procedure. This is a general application procedure. It may have to be modified to adapt to site conditions/requirements and as required by the contractor/consultants.

Storage

The EPDM pond liner should be stored in clean and covered surroundings and it should be stored in a way that there is no physical damage to the liner during storage.

Precautions

1. Take care when moving, transporting, handling, etc. to avoid punctures and physical damage. Always life and shift.
2. Isolate waste products, such as petroleum products, greases, oils (mineral and vegetable) and animal fats from the EPDM pond liner.
3. Refer to Material Safety Data Sheets (MSDS) for safety information.

Technical Specification Polygomma EPDM Pond Liner

Test Parameters	Test Method	Performance Thickness 0.8 mm, 1.1 mm, 1.5 mm & 2.0 mm	Harmonized Technical Specification
Tensile Strength (N/mm ²)	EN 12311-2	≥9	EN 13361:2004/ AI:2006
Elongation (%)	EN 12311-2	≥300%	
Mass per unit Area (gm/m ²)	EN 1849-2	1150 (Thk 1.0 mm)	
Static Puncture (kN)	EN 12236	≥0.5	
Water Permeability (Liquid Tightness) (m ³ /m ² /d ⁻¹)	EN 14150	≤10 ⁻⁶	
Weathering:3000 hrs (UV) (%)	EN 12224	Δ≤25	
Oxidation (%)	EN 14575	Δ≤25	

The thickness tolerance shall be of the thickness agreed upon, as mentioned in EN 13361:2006. As the product standards continue to revise, please refer to the latest applicable code for any update on the properties.

The above values are taken from specimens made under reproducible conditions. However, they may differ somewhat on actual production/supply due to vulcanization conditions at the factory.

The standard width of our EPDM pond liner is 1.2 meters. For EPDM pond liner of widths above 1.2 meters, there shall be a factory seam at 1.2 meters, parallel to the width of the EPDM pond liner.

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 CIN: U25203MH2012PTC227401 PAN: AAGCP4636G GST: 27AAGCP4636G1ZB