

# PVC Geomembrane Liners Technical Specifications

| Parameter           | Test Standard | Typical Value Range         | Remarks                          |
|---------------------|---------------|-----------------------------|----------------------------------|
| Thickness           | ASTM D5199    | 0.5mm - 2.0mm               | Customizable in 0.1mm increments |
| Density             | ASTM D792     | 1.30-1.38 g/cm³             |                                  |
| Tensile Strength    | ASTM D882     | 16-22 MPa                   | Machine direction                |
| Elongation at Break | ASTM D882     | 250%-350%                   |                                  |
| Tear Resistance     | ASTM D1004    | 75-95 N/mm                  |                                  |
| Puncture Resistance | ASTM E154     | 380-450 N                   |                                  |
| Permeability        | ASTM E96      | <1×10 <sup>-12</sup> cm/sec |                                  |
| Operating Temp      | ASTM D2136    | -30°C to +60°C              |                                  |
| UV Resistance       | ASTM G154     | 5000+ hours                 | With UV stabilizers              |
| Seam Strength       | ASTM D6392    | ≥85% parent material        | Hot wedge welded                 |
| Chemical Resistance | ASTM D543     | pH 2-12 compatible          |                                  |
| Roll Dimensions     | -             | 2m-8m width                 | 50m-100m length per roll         |