# TECHNICAL DATA SHEET

## Geomembrane PVC Smooth

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| PROPERTY | TEST METHOD †††† | UNIT Metric | Solmax 230-0000 PVC-30-000 |
|---|---|---|---|
| **CERTIFIED PROPERTIES †** | | | |
| Thickness (Nominal ±5%) | ASTM D-5199 | mm | 0.75 |
| Tensile Properties (min. avg. MD & TD) | ASTM D-882 | | |
| Strength at Break | | kN/m | 12.8 |
| Elongation at Break | | % | 380 |
| Modulus at 100% | | kN/m | 5.6 |
| Tear Resistance (min. avg.) | ASTM D-1004 | N | 35 |
| Dimensional Stability | ASTM D-1204 | % | 3 |
| Weight | - | kg/sm | 0.957 |
| Low Temperature Impact (pass) | ASTM D-1790 | °C | -29 |
| **INDEX PROPERTIES ††** | | | |
| Specific gravity (typical) | ASTM D-792 | g/cc | 1.20 |
| Water Extraction (max. loss) | ASTM D-1239 | % | 0.15 |
| Average Plasticizer Molecular Weight (g/mole) | ASTM D-2124 | | 400 |
| Volatile Loss (max. loss) | ASTM D-1203 | % | 0.7 |
| Soil Burial (max. chg.) | ASTM G-160 | | |
| Break Strength | | % | 5 |
| Elongation at Break | | % | 20 |
| Modulus at 100% | | % | 20 |
| Hydrostatic Resistance (min.) | ASTM D-751 | kPa | 690 |
| **GENERAL INFORMATION †††** | | | |
| Color | - | | Grey (Gris) |
| Surface | - | | Smooth (Lisse) |
| Panel Width Multiples | - | m | 2.16 |
| **FACTORY SEAM STRENGTHS** | | | |
| Shear Strength (min.avg.) | ASTM D-6392 | kN/m | 10 |
| Peel Strength (min. avg.) | ASTM D-6392 | kN/m | 2.6 |

## NOTES

†. Certified properties are tested once per lot, or once every 40,000 lbs of material (18,000 kg), whichever is more frequent. Tensile properties : 1" wide samples, 95 psi line pressure and 360 kgf (809 lbf) clamping force.
††. Index properties are tested once per formulation. A certified statement of the test results for the formulation is to be made available to the customer on request.
†††. Custom panel sizes are available and panel dimensions may vary ± 1%.
††††. Modifications or further details of test are described in PGI 1104 Appendix B or ASTM D 7176 standard.