TM200 SERIES

TECHNICAL DATASHEET

| Geomembrane (GMB) type | Smooth | | |
|------------------------|--------------------------|--|--|
| Composition | Polyvinyl chloride (PVC) | | |
| Main function | Impermeabilisation | | |

| Property | Method | TM220 | TM230 | TM240 |
|---|------------|-------------------------|------------------------|-----------------|
| Physical | | | | |
| Thickness (Nominal ± 5%) ⁽¹⁾ | ASTM D5199 | 0.50 mm (20 mils) | 0.75 mm (30 mils) | 1.00 mm (mils) |
| Weight ⁽¹⁾ | - | 0.662 kg/m ² | 0.957 kg/m² | 1.330 kg/m² |
| Specific gravity (typical) ⁽²⁾ | ASTM D792 | 1.20 g/cm³ | 1.20 g/cm ³ | 1.20 g/cm³ |
| Water extraction (max. loss) ⁽²⁾ | ASTM D1239 | 0.15% | 0.15% | 0.20% |
| Average plasticizer molecular weight ⁽²⁾ | ASTM D2124 | 400 g/mole | 400 g/mole | 400 g/mole |
| Hydrostatic resistance (min.) ⁽²⁾ | ASTM D751 | 470 g/m² | 690 g/m² | 830 g/m² |
| Mechanical (minimum average) ⁽¹⁾ | | | | |
| Tensile strength ⁽³⁾ | ASTM D882 | 8.4 kN/m | 12.8 kN/m | 17.0 kN/m |
| Elongation at break ⁽³⁾ | ASTM D882 | 360% | 380% | 430% |
| Elongation modulus at 100% ⁽³⁾ | ASTM D882 | 3.7 kN/m | 5.6 kN/m | 7.0 kN/m |
| Tear resistance | ASTM D1004 | 27 N | 35 N | 44 N |
| Simensional stability | ASTM D1204 | 4% | 3% | 3% |
| Low temperature impact (pass) | ASTM D1790 | -26°C | -29°C | -29°C |
| Volatile loss (max. loss) | ASTM D1203 | 0.90% | 0.70% | 0.50% |
| Soil Burial (max chg.) | | | | |
| Tensile strength | ASTM G160 | 5% | 5% | 5% |
| Elongation at break | ASTM G160 | 20% | 20% | 20% |
| Elongation modulus at 100% | ASTM G160 | 20% | 20% | 20% |
| Factory seam strength (minimum average) | | | | |
| Shear strength | ASTM D6392 | 6.7 kN/m | 10.0 kN/m | 14.0 kN/m |
| Peel strength | ASTM D6392 | 2.2 kN/m | 2.6 kN/m | 2.6 kN/m |
| Dimensions (may vary ±1%) ⁽¹⁾ | | | | |
| Width (multiples) and length | - | (2.16) variable | (2.16) variable | (2.16) variable |

This technical information comes from the manufacturer and was transcribed by Texel.

1- Properties are tested once per lot, or once every 40,000 lbs of material (18,000 kg), whichever is more frequent. / 2 - Properties ares tested once per formulation. A certified statement of the tests results for the formulation is to be made available to the costumer on request. / 3 - Machine and cross directions / 4 - Costum panel sizes are available.

Fish Grade and Potable grade available on request.

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