

PLASTIFLEX GLSO/SL/GT 2,0 mm

PVC SIGNAL LAYER MEMBRANE FOR TUNNELLING AND UNDERGROUND WATERPROOFING JOBS COATED WITH 500 g/sqm PP GEOTEXTILE

| TEST | SPECIFIC | UNIT | VALUE |
|---|--|--|-------------------|
| Thickness | EN 1849-2 | mm | 2,00 ± 5% |
| Tensile strength | UNI EN ISO 527-3 | N/mm ² | ≥ 5 |
| Elongation at break | UNI EN ISO 527-3 | % | ≥ 250 |
| Resistance to impact | UNI EN 12691 | mm | ≥ 2000 |
| Resistance to tearing | UNI EN 12310-2 | N | ≥ 100 |
| Deformation to the warm (Long, Trasv) | EN 1107-02 | % | ± 2 % |
| Water permeability | UNI EN 14150 | < 10 ⁻⁶ m ³ /m ² /d | |
| Adsorbability (7 days in water) | UNI EN ISO 62 | % | ≤ 1 |
| Cold bending | EN 495-5 | °C | ≤ - 40 |
| Watertightness (1 Mpa for 24 h) | UNI EN 1928 | No dripping or water loss | |
| Resistance to oxidation UNI EN 14575-UNI EN ISO 527/3: 90 days at 85°C | Percentage of tensile strength retained | % | ≥ 90 |
| | Percentage of elongation at break retained | | ≥ 90 |
| Resistance to acid solutions H ₂ SO ₃ : DIN 16726 5.18 (28 days at 23°C) | Change of tensile strength | % | ≤ - 20 |
| | Change of elongation at break | | ≤ - 20 |
| | Folding at T of -20°C | No break or crack | |
| Resistance to salt solutions (NaCl): DIN 16726 5.18 (28 days at 23°C) | Change of tensile strength | % | ≤ - 20 |
| | Change of elongation at break | | ≤ - 20 |
| | Folding at T of -20°C | No break or crack | |
| Resistance to Alkaline solution Ca(OH) ₂ : DIN 16726 5.18 (23 days at 23°C) | Change of tensile strength | % | ≤ - 20 |
| | Change of elongation at break | | ≤ - 20 |
| | Folding at T of -20°C | No break or crack | |
| Resistance to heat DIN 16726 5.13 | General appearance | No visible changes | |
| | Dimensional stability (6h, 80°C) | % | ≤ - 3 |
| | Change of tensile strength (7 days, 80°C) | | ≤ - 10 |
| | Change of elongation at break (7 days, 80°C) | | ≤ - 10 |
| | Folding at T - 20°C | | No break or crack |

| | | | |
|---|--------------------|---------|--|
| Burst strength | DIN 61551 | kPa,% | Stress \geq 6000 kPa Strain \geq 50 % |
| Fire resistance | UNI EN ISO 11925-2 | Class | E |
| Root resistance | UNI CEI/TS 14416 | Conform | |
| Shear resistance when applied with a bituminous | DIN 16726 5.10 | N/50 mm | \geq 600 |
| Product conform to the norm EN 13491 and 13967 | | | |
| Color : Black and Blue (signal layer) | | | |

| Thickness | Width | Length |
|--------------|---------|------------|
| 1,0 - 3,5 mm | 2,10 mt | As request |



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NOTE: all the tests are made only on the PVC membrane , and not on the membrane coated with geotextile , becuae geotextile has the function only of protection and stabilization of the PVC membrane.