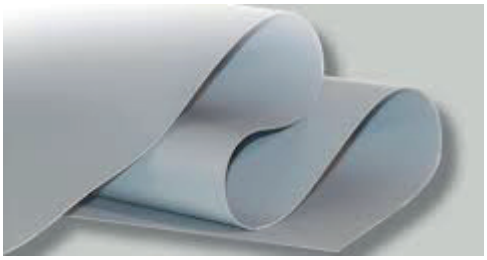
# Specialist Geomembranes

## Technical Data Sheet

# Landflex™ PVC120AP Unreinforced PVC (Grey)



Versatile, highly flexible and suitable for a number of applications including canal and stream lining due to its excellent resistance properties

The information herein is based upon data obtained by the manufacturer and is considered accurate. However, no warranty is expressed or implied regarding the accuracy of this data. This information is furnished upon the condition that the person receiving it shall evaluate its suitability for the specific application.

| Material Properties | Unit | Test Method | Typical Values | | |
|---|---|---|---|---|---|
| Thickness | mm | EN 1849 | 1.20 ±5% | 1.50 ±5% | 2.00 ±5% |
| Density | g/cm³ | EN ISO 1183 | 1.25 ±5% | | |
| Tensile strength | N/mm² | EN ISO 527 | ≥ 16 | | |
| Elongation at failure | % | EN ISO 527 | L: ≥ 280<br>T: ≥ 280 | | |
| Puncture resistance: Height of fall without perforation | mm | DIN 16726 | ≥ 750 | ≥ 750 | ≥ 1100 |
| Tear strength | N/mm | DIN 53363 | ≥ 80 | | |
| Resistance under water pressure | - | DIN 16726 | Waterproof at 10 Bar / 72h | | |
| Biaxial deformation | - | P 84-503 | Without rupture | | |
| Dimensional stability after accelerated ageing (6hrs / 80°C) | % | EN ISO 1107-2 | ≤ 2 | | |
| Behaviour after long term ageing (7 days / 80°C) | - | DIN 16726 | - | - | - |
| General appearance | - | | No blister | | |
| Dimensional stability: L & T | % | | ≤ 2 | | |
| Variation of tensile strength: L & T | % | | < ± 10 | | |
| Variation of elongation at failure: L & T | % | | < ± 10 | | |
| Foldability at -20°C | - | | No fissures | | |
| Resistance to artifical weathering | Years | EN 12224<br>EN 13361 | > 10 | | |
| Water permeability | m³/m²/day | EN 14250 | $10^{-6}$ | | |
| Oxidation resistance (90 days / 85°C) | - | En 14575 | Conform | | |
| Cold folding resistance | - | EN 495-5 | No cracks at -20°C | | |
| Water absorption after 28 days | % | DIN 53495 | ≤ 1 | | |
| Root resistance | - | EN 14416 | Resistant | | |

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