



NEPTAPE® Data Sheet

Water Blocking Shielding Tapes PERMABLOK™ 926WB2

Construction: 0.00150" (38μ) water swellable coating
0.00035" (9μ) aluminum foil
0.00092" (23μ) polyester film
0.00035" (9μ) aluminum foil
0.00150" (38μ) water swellable coating

Description: Two sided water blocking high tensile strength shielding laminate, typically used as an outer tape shield in CATV burial cable and coaxial communication cables. The water blocking action prevents movement of water through the length of the cable on both sides of the tape. This allows the cable to pass Bellcore Water Penetration Tests (TR-NWT-000421 Sections 5.4.01 and 5.4.6.2) for many cable geometries.

| Typical Properties | US Customary | Metric | Test Method |
|---------------------------|---|--|------------------|
| Thickness | 0.0044 inches | 112 microns | ASTM D374 |
| Yield | 48.0 ft ² /lb 1.74 lbs/mft @ 1" wide | 9.8 m ² /kg 1.02 kg/km @ 10mm wide | NEPTCO TM-002 |
| Tensile Strength | 7,300 psi | 50 MPa | Calculated |
| Break Strength | 25 lbs/inch width | 44 N/10mm width | ASTM D882 |
| Elongation at Break | 113% | 113% | ASTM D882 |
| Electrical Resistance | 21 Ω/mft @ 1" wide | 175 Ω/km @ 10mm wide | Supplier Data |
| Swell Speed (1min) | | 0.8 mm | Cup & Ram Test |
| Swell Height (3min) | | 0.8 mm | Cup & Ram Test |
| Gel Strength (unaged) | | 66 Pa | Slump Test |
| Time Constant | | 3.3 sec. | Calculated |
| Colors | Natural (Clear) | | |
| Splice Type | #10, max. 6/pad or max. 1/1000' for traverse packages. | | |
| Standard Pad Put-ups | Core ID - 3" or 6" Pad OD - 12" or 18" | | |
| Standard Traverse Put-ups | 3" x 5.75" x 3.5" - narrow slit material 3" x 11" x 3" | | |

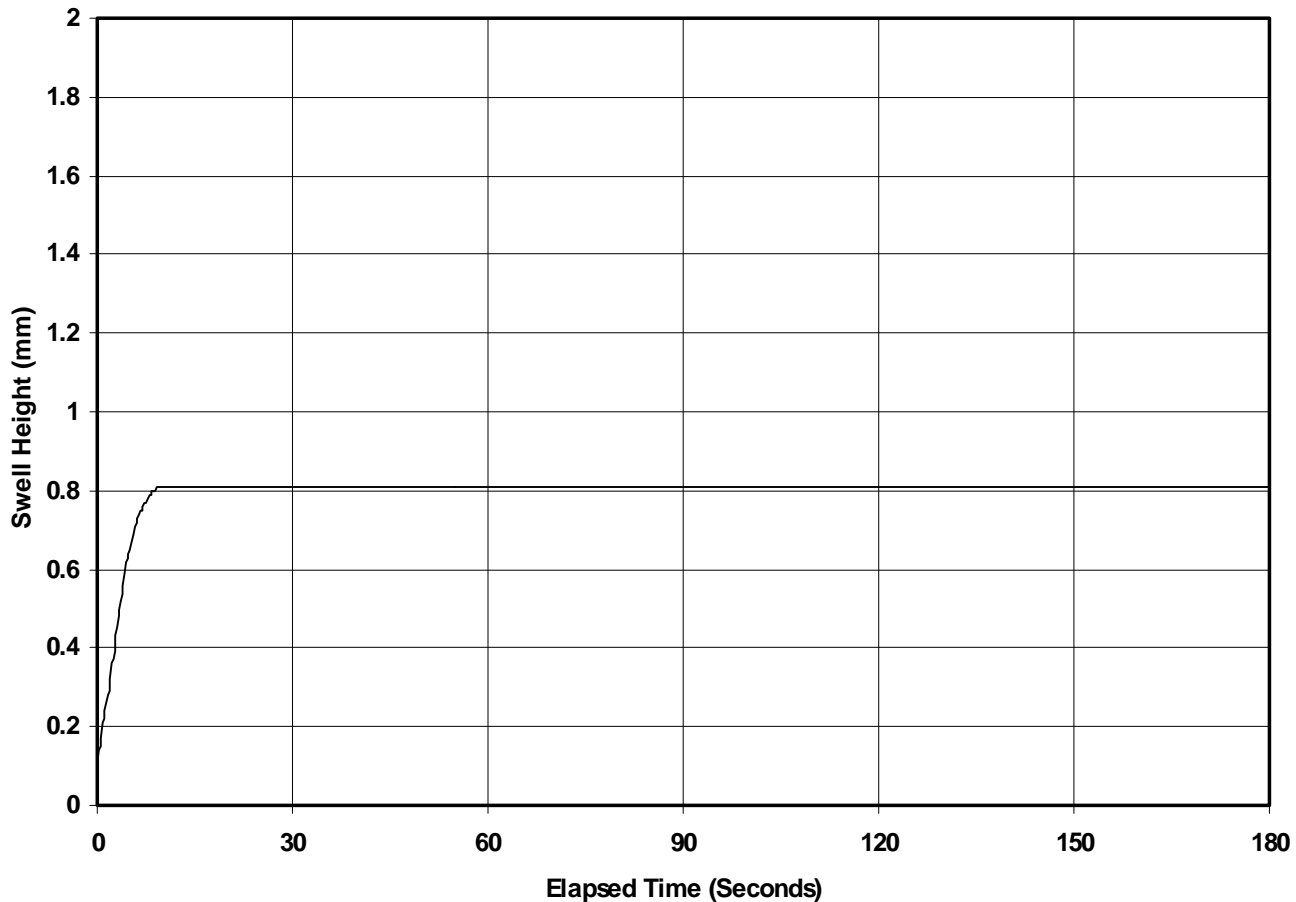
PLEASE SEE REVERSE SIDE FOR SWELL CURVE INFORMATION

NEPTCO, Incorporated
Box 2323, 30 Hamlet Street
Pawtucket, RI 02861-0323 USA
TEL: 401-722-5500
FAX: 401-722-6378

Water Blocking Shielding Tapes

PERMABLOK™ 926WB2

Swell Curve for 926WB2 in DI Water



*ASTM Test Methods are listed for reference only. Actual testing performed according to modified equipment and conditions. Specific test methods available upon request.

The data presented here is intended for product selection purposes only. Typical properties represent data characteristics of the product, but do not necessarily reflect minimum values during normal testing. Specification data can be provided upon request.