



## Water Blocking Shielding Tapes PERMABLOK™ 1184WB

**Construction:** 0.00020" (5μ) PVC heat seal coating  
 0.00092" (23μ) polyester film  
 0.00100" (25μ) aluminum foil  
 0.00150" (38μ) water swellable coating

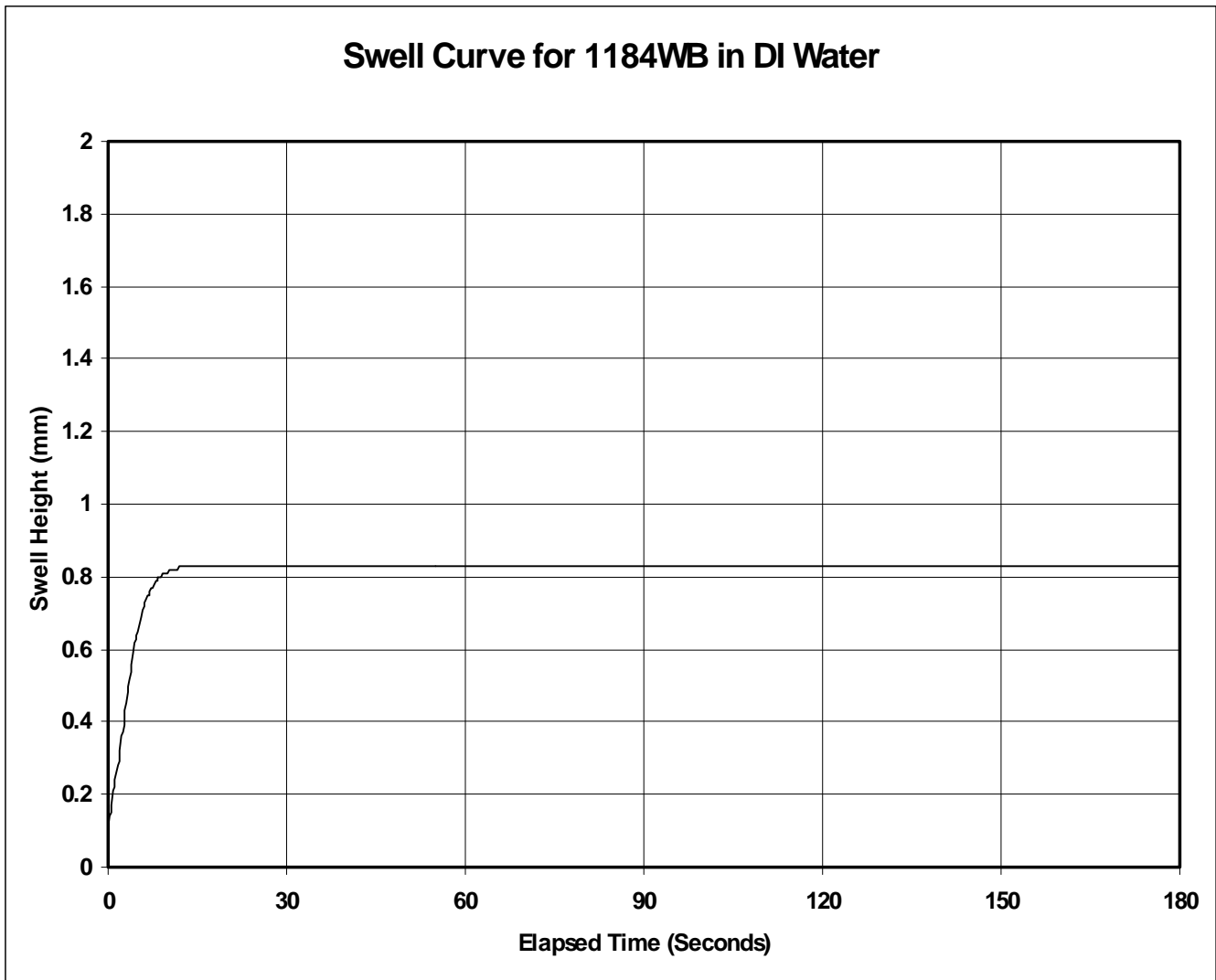
**Description:** Fusible, water blocking two-ply tape typically used as an outer shield in tri-shield (tape/braid/tape) cable constructions. Fuses to overextruded PVC jackets. One side has a water swellable coating which prevents movement of water through the length of the cable. The water blocking action allows the cable to pass Bellcore Water Penetration Tests (TR-NWT-000421, Sections 5.4.6.1 and 5.4.6.2) for many cable geometries.

Typical Properties	US Customary	Metric	Test Method
Thickness	0.0037 inches	94 microns	ASTM D374
Yield	42.6 ft <sup>2</sup> /lb 1.96 lbs/mft @ 1" wide	8.7 m <sup>2</sup> /kg 1.15 kg/km @ 10mm wide	NEPTCO TM-002
Tensile Strength	8,200 psi	57 MPa	Calculated
Break Strength	25 lbs/in width	44 N/10 mm width	ASTM D882
Elongation at Break	80%	80%	ASTM D882
Electrical Resistance	15 Ω/mft @ 1" wide	125 Ω/km@ 10mm wide	Supplier Data
Swell Speed (1 min)		0.8 mm	Cup & Ram Test
Swell Height (3 min)		0.8 mm	Cup & Ram Test
Gel Strength (unaged)		66 Pa	Slump Test
Time Constant		3.3 sec.	Calculated
Colors	Blue		
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

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\*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.