



Water Blocking Shielding Tapes PERMABLOK™ 1047WB

Construction: 0.00092" (23μ) polyester film
 0.00100" (25μ) aluminum foil
 0.00150" (38μ) water swellable coating

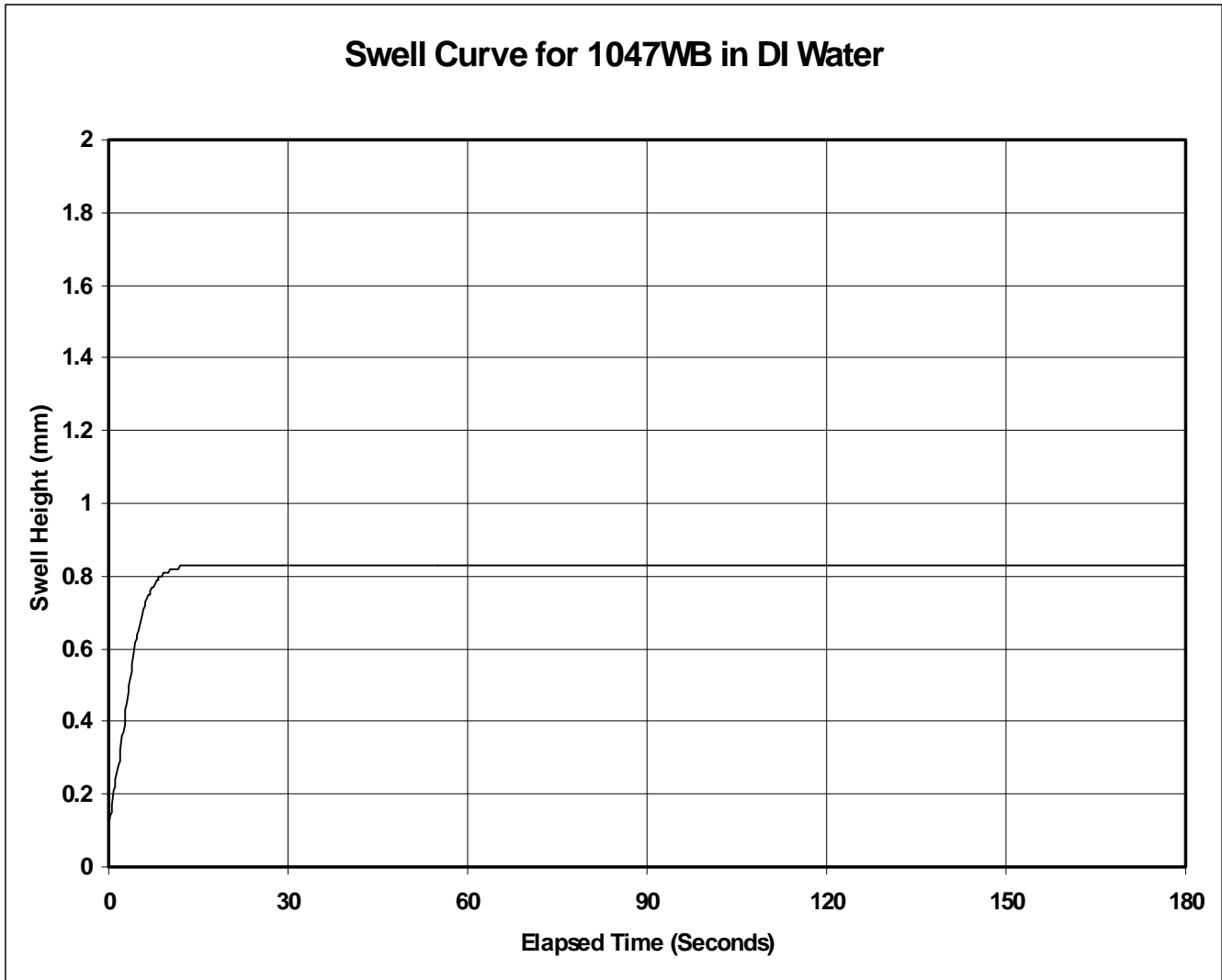
Description: General purpose water blocking shield tape which typically performs as an overall or individual pair shield in an electronic cable. One side has a water swellable coating which prevents movement of water through the length of the cable. The water blocking action allows the cable to pass 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	0.0035 inches	89 microns	ASTM D374
Yield	45.0 ft ² /lb 1.85 lbs/mft @ 1" wide	9.2 m ² /kg 1.09 kg/km @ 10mm wide	NEPTCO TM-002
Tensile Strength	9,400 psi	65 MPa	Calculated
Break Strength	33 lbs/in width	58 N/10 mm width	ASTM D882
Elongation at Break	67%	67%	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.