



Leading the Nanofiber market in

- Consistency • Versatility
- Commercial Viability

Technical Data Sheet | xPEL

- **Style Number :** (NM001) - xPEL 10 GSM
- **Description:** Waterproof, Direct Vent Nanofiber Membrane
- **Construction:** 100% Nanofiber, Proprietary TPU Complex
- **Properties:** Hydrophobic, Oleophobic, Isotropic Stretch & Recovery

Property	Target	Metric	Test Method
Weight	0.27-0.38	oz/yd ²	ASTM D461
	9-13	(g/m ²)	TAPPI 410
Air Permeability	0.4 - 0.6	ft ³ /min/ft ² (cfm) @0.5"H ₂ O	ASTM D737 (U.S.)
	2-3	l/dm ² /min @200Pa	DIN 53887 (Germany)
	0.2-0.3	cm ³ /cm ² /s @125Pa	JIS L 1096 A (Japan)
MVTR	>100,000	g/m ² /24hrs	ASTM E-96
	>10,000		JIS L1099 A-1
Thickness	0.0008 (0.02)	inches (mms)	TAPPI 411
Low Pressure - Hydro Static (LHPT)	12,000 - 14,000	MM H ₂ O	AATCC - 127
Bubble Point (IPA)	>10	PSI	ASTM F316
Water Entry Pressure (WEP) Mullen	>35	psi	ASTM D751
Peel Strength	> 40	gf/cm	JIS L1089
Contamination (Oil)	>5		AATCC - 118
Available Widths	Up to 76"	inch (mm)	N/A
Applications	Waterproof, breathable consumer, and protective textile laminates		

The above data is nominal and provided for information purpose only. This data is not to be construed as manufacturing specifications and is subject to change. All metric conversions are approximate.

Revision A

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