



British Weather Proof

porelle[®] membranes

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Sports & Leisure Brochure

Sport & Leisure			Product	P600	P618	P620	P625	P625	PD-1
			Colour	Unpigmented	Unpigmented	Unpigmented	Unpigmented	White	White
			Membrane Type	Hydrophilic	Hydrophilic	Hydrophilic	Hydrophilic	Hydrophilic	Microporous
Property	Unit	Test Method							
Weight	g/sqm	ISO 2286-2		14	23	24	30	36	16
Breathability	g/sqm/24hr	ASTM E96: 95 Procedure B		750	680	650	600	580	840
	g/sqm/24hr	ASTM E96: 95 Procedure BW		18,800	18,000	17,500	16,200	16,800	5,000
	g/sqm/24hr	JIS L 1099 A1		>5,000	>3,000	>3,000	>3,000	>3,000	>10,000
	g/sqm/24hr	JIS L 1099 B1		>50,000	>45,000	>40,000	>15,000	>15,000	>15,000
Waterproofness	mm	JIS L 1092 B (modified*)		>20,000#	>20,000	>20,000	>20,000#	>20,000	>20,000#
	mm	JIS L 1092 A (modified*)		>10,000	>10,000	>10,000	>10,000	>10,000	>7,000

#Independent Test House Data *Tested with a gauze covering 47g/sqm polyester

porelle® membranes



British Made

Whether you're shopping in the streets of London, climbing the Himalayas or hiking along the Tiger Leaping Gorge, the waterproof, breathable Porelle layer will keep you dry and comfortable.

Weather can be unpredictable, so to have a membrane that can offer breathability and waterproofness is key. Porelle membranes physically stop water droplets and wind passing through the garment while remaining comfortable to wear.

When laminated to a performance fabric, Porelle membranes can achieve waterproofness levels in water column tests in excess of 10,000 mm. They will retain this performance after multiple wash cycles.

Porelle membranes are manufactured by PIL Membranes Ltd in the UK, with over 30 years' experience in the marketplace. Supplying membranes for high-end technical and outdoor applications around the world.

Quality, reliability and performance underpin the Porelle brand.

Porelle Sports and Leisure

Porelle membranes for sports and leisure include a range of films (12 - 30 µm in thickness) designed for use in active apparel. Each membrane offers a number of performance benefits, but is also tailored to meet enhanced requirements for specific apparel applications:

- **lightweight** and **highly breathable** for use in garments
- **low noise** and extremely **waterproof** for use in gloves
- **durable** and extremely **waterproof** for use in footwear
- **low noise** and **very soft** for use in hats
- **durable** and highly **breathable** for use in socks

There are two Porelle ranges available: Hydrophilic and Microporous

What are the benefits of hydrophilic? Which one should I use?

- 12, 18 and 20µm films offer the ultimate in drape, quiet and soft- handle. They are recommended for use in garments.
- 25µm membranes are recommended for more durable applications such as gloves, footwear and socks.

What are the benefits of microporous?

- Porelle Dry membrane is based on a unique 30µm microporous film that does not swell when it absorbs moisture.
- Porelle Dry offers excellent breathability, but remains dry in use due to its non-swell capability, offering higher levels of comfort and dry feel.

- Porelle Dry is also the only PU microporous with a uniform structure which means it is more durable and stays waterproof longer than our competitors.

Porelle membranes for sports and leisure differ from other films available in the market. They are not extruded or blown TPU films, they are PU's which have been designed, developed and produced in-house in Britain. This means they remain consistently waterproof in use due to the unique uniform structure. The membranes have also been proven to be extremely easy to handle in adhesive or flame-bonding lamination processes ensuring high productivity yields.

Our customers are based worldwide:



British Weather Proof.

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