

What is PUL Fabric?

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PUL Fabric is a special type of waterproof fabric

PUL Fabric is a laminated fabric. PUL stands for **P**olyurethane **L**aminate. The type of PUL fabric we stock at Sahara Fabrics is 2-layer breathable, which makes it comfortable to wear. All of the PUL fabric at Sahara Fabrics is Eco-PUL™ brand PUL - a high-quality, made in USA PUL fabric. Read on to learn why PUL fabric by Eco-PUL™ is a smart choice for the environment and your family.

Eco-Friendly PUL fabric by Eco-PUL™



PUL fabric by Eco-PUL™ starts with lightweight polyester interlock (knit) fabric, knitted and dyed in the USA. The polyester fabric is paired with a special food grade TPU (thermoplastic polyurethane), a thin stretchy plastic film. These two components are bonded together into a single fabric using a combination of heat, pressure, and adhesive.

In the past, solvent-based adhesives were used to produce PUL fabric. However, the volatile organic compounds (VOCs) in the adhesive were not good for the environment, or for the workers making the fabric.

PUL fabric by Eco-PUL™ is made with a "green" hot melt polyurethane adhesive that is solvent-free, environmentally friendly, and releases no volatile organics. The TPU lamination film is also very safe for human health. Some people refer to this newer type of PUL as "TPU."

Eco-PUL™ is made in the USA. 73% polyester 27% polyurethane. 153 gsm.

Eco-PUL is fully CPSIA compliant.

You may see laminated cotton woven or knit fabrics available on the market - we do not sell or recommend cotton laminates, as it is difficult to achieve a truly waterproof finished product.

Benefits of PUL Fabric by Eco-PUL™

The most important characteristic of Eco-PUL™ is that it is both waterproof and yet breathable. In this context, breathable does not mean that you can hold the fabric over your face and breathe through it. It means that the fabric releases heat and water vapor. This keeps the wearer comfortable. The dot pattern you see on the laminate side of our PUL allows for optimal vapor transmission. Eco-PUL™ is also stretchy, to allow a flexible fit. Our PUL fabric has a soft hand, making it quiet - never stiff or crackly.

Eco-PUL™ fabric is washable in hot water in commercial or home laundry. It resists abrasion, is fire retardant, and anti-microbial. For more care instructions, see washing document.