

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 use is 2-layer breathable fabric supplied by Sahara Fabrics. All of the PUL fabric supplied by 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. Further details below.

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. The dot pattern you see on the laminate side of our PUL allows for optimal vapor transmission.

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.

Eco-PUL™ Fabric Health and Safety Information

Eco-PUL™ Fabric

- Does not contain lead or heavy metals
- Does not contain BPA
- Does not contain phthalates
- Does not contain PVCs, diisocyanates, chlorine, or migratable plasticizers
- Does not contain latex

Eco-PUL™ Fabric is vegan (does not contain animal products).

Eco-PUL™ Fabric is USP class VI, the highest level of safety for skin contact and the safest choice for medical devices.

Eco-PUL™ Fabric passes flammability testing and is considered Class 1 Normal Flammability.

Food Safety Information

Eco-PUL™ Fabric is laminated with a special type of TPU film that:

- Is approved for holding potable water
- May safely be used in contact with wet and dry food
- Is intended for repeated use in packing, processing, packaging, transporting, or holding food
- Is recommended for room temperature or refrigerated use (not for heating or cooking of foods).