



Fact Sheet: Blood Pressure Cuffs

Skin-safe, durable coated textiles for use in the manufacture of reusable blood pressure cuffs.

About Blood Pressure Cuffs

Blood Pressure Cuffs (BP Cuffs) form an essential component of a sphygmomanometer, or blood pressure monitoring device. When attached to the patient's arm, the cuff needs to be easily inflatable to collapse and then release the artery in a controlled manner in order to accurately measure blood pressure.

Trelleborg Engineered Coated Fabrics manufactures coated fabric for:

- External cuff – hook and loop compatible
- Internal bladder – air holding fabric to allow easy inflation

We can manufacture in a range of colors and widths to help differentiate your product range; as well as allowing different size cuffs for varying patient requirements.

KEY BENEFITS

Trelleborg Engineered Coated Fabrics has manufactured technical textiles for BP Cuff applications for many years. We understand what is required for medical device manufacturers to create the ultimate reusable BP Cuff:

- Skin-safe for patient use
- Fit for purpose: meets all required medical device standards
- Weldable
- Hook & Loop compatible
- Reusable for reducing waste to landfill or incineration
- Multiple width and color options available.

Global Standards

EUROPEAN & UK BP CUFF STANDARDS

BP cuffs in the UK are classified as a Class II medical device, and must comply with ISO 13485.

In the EU, BP cuffs must comply with the EU Medical Device Regulations (MDR).

US BP CUFF STANDARDS

In the US, antimicrobial reusable BP cuffs are classified and regulated as a Class 2 medical device under regulation number 870.1120 'Antimicrobial Blood Pressure Cuff.

Why choose Trelleborg Engineered Coated Fabrics?

We are specialist manufacturers of polyurethane-coated technical textiles for medical applications.

All PU fabrics provide a fluid-proof, virus-proof barrier for infection control. Our

industry leading Dartex® range combines unique stretch and recovery capabilities with breathable, high quality PU coatings, to provide pressure redistribution¹ around the world.

Contact our technical sales team for specifications and more information:

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	Antimicrobial Additive can be included to provide antimicrobial properties as per AATCC Test Method 30 (Aspergillus niger) and ISO 22196 (k. pneumoniae)
	Breathable
	Fungistatic Additive can be included to protect polyurethane coating
	Low stretch No delamination
	UV Printable Innovative, no odour ink that does not crack when stretched – 5 colour print process
	Waterproof Fluid proof barrier for infection control
	Weldable Polyester and Nylon fabric options available
	Wipe clean For infection control

References:
¹ Haxby, R; Pearce, K; Turton, T; Scott, I; Williams, C. (2019). Support Surface Cover & Core: Working Together in Sweet Harmony. Available for download <https://www.trelleborg.com/en/engineered-coated-fabrics/industries/healthcare-and-medical>