

# Coating Tomorrow's Innovations

## Elastane

Trelleborg offers a wide variety of substrates, providing a myriad of possibilities to expertly pair material properties to customers' specific applications needs. Our substrates can be knitted, woven or non-woven depending on the specific performance attributes required for a given application.



Elastane has different common names depending on the country and brand that manufactures it. Elastane is also often referred to as Spandex and DuPont™ LYCRA®. Additional commercial names you may have heard include Elasthan, Creora, Elastam, or Dorlastan.

Elastane is renowned for its elasticity and is used in skin-tight garments, giving them the ability to keep their original shape after use.

There are many industrial uses for it, including wetsuits for marine applications and sportswear to help streamline and optimize athletic performance.

Did you know, the word "Spandex" is an anagram of "expands"?

### Substrate/Fiber Characteristics

- Resistant to almost all chemicals
- Can be degraded by concentrated alkalis at high temperatures. This results in loss of strength
- Easy, quick, and uniform dye application
- Has an excellent elastic recovery

### Common Substrate/Fiber Uses

Spandex is used in a wide range of garments due to its high elasticity and significant strength. Spandex can be often mixed with polyester or cotton. Most of these garments are skin-tight and often dry faster than ordinary fabrics. Some applications of spandex include swimsuits, activewear, bras, gloves, and leggings



At Trelleborg, our eyes are on tomorrow as our in-house expert technical teams work in partnership with an increasing range of customers to bring industry-changing ideas to actualization with coated materials- whether it's your concept or ours.  
Email: [ECF@Trelleborg.com](mailto:ECF@Trelleborg.com)