



Coating Tomorrow's Innovations

Polyester

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.



Polyester fibers were a particular revolution in clothing manufacturing because of their strength, durability, and, most notably, comfort.

They are also very cheap to manufacture and are often used to recreate designer clothing styles to sell at a very low cost. Polyester is also a common plastic with a wide range of applications extending beyond the fashion industry.

Its industrial uses include:

- Plastic bottles for soft drinks
- High strength ropes
- Hoses and threads
- Abradable seals in jet engines

Properties	Value
Tensile Strength (MPa)	1100
Elongation at Break (%)	13
Specific Gravity	1.38

Substrate/Fiber Characteristics

- The most important synthetic fiber, strong, resistant to stretching, shrinking, abrasion, and most chemicals
- Does not absorb water but absorbs oil and grease
- Melts at high temperatures

Common Substrate/Fiber Uses

Hoses, power belting, ropes and nets, thread, tire cord, auto upholstery, sails, floppy disk liners, and fiberfill for various products including furniture and high-performance outdoor wear



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.
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