

Coating Tomorrow's Innovations

Rayon

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.



Also known as artificial silk, or art silk for short, the first example of rayon was invented in 1855 by Swiss engineer, Georges Audemars. Commercial production, however, didn't begin until 1891.

As the term artificial silk implies, rayon fibers closely resemble those of naturally occurring silk, only they are tougher, more durable, and much easier to produce.

Common uses include:

- Protective clothing and equipment
- Construction materials
- Automotive parts

Properties	Value
Tensile Strength (MPa)	685
Elongation at Break (%)	10
Specific Gravity	1.52

Substrate/Fiber Characteristics

- The fiber is sold as artificial silk, highly absorbent
- A disadvantage is that it loses its strength when wet
- Poor resistance to abrasion, expensive, and stretches and shrinks more than cotton

Common Substrate/Fiber Uses

Industrial products, hoses, medical and surgical products, nonwoven products, tire cord



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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