



Coating Tomorrow's Innovations

Carbon Fibers

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.



Being immensely strong and lightweight, carbon fiber is one of the most revolutionary textile fibers in use today.

These properties make it ideal for use in aerospace, defense, automotive, civil engineering, and sport equipment applications, where highly robust materials that are streamlined and not bulky are essential.

- The Airbus A350 XWB is built of 52% Carbon Fiber Reinforced Polymer (CFRP)

Properties	Value
Tensile Strength (MPa)	3400
Elongation at Break (%)	1.4
Specific Gravity	1.80

Substrate/Fiber Characteristics

- High strength and modulus, low weight
- Heat and flame resistant
- Impact resistance
- Can be mixed with other materials

Common Substrate/Fiber Uses

Sporting goods, aeronautic and space materials, automotive materials, wind generator blades



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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