

Carbon Fibre Plates

Smiths High Performance



Revision: SHP/english/info_sheets/carbon_fibre/20.02.2025

Page: 1 of 1

Superb strength-to-weight ratio

Carbon fibre (also known as carbon fiber in the USA) is exceptionally light yet incredibly strong - an ideal combination for motorsport applications.

With excellent stiffness, rigidity and durability, carbon fibre can also be moulded to form complex shapes. In recent years, the material has revolutionised racing car design and is now commonplace throughout motorsport.

Carbon Fibre Plates:

We stock carbon fibre plates, which we also process in-house. The material is classed as a pre-preg composite because the fibres are pre-impregnated with resin to reinforce the material.

Our plates are toughened and are suitable for structural-advanced composite applications. Our carbon plates benefit from increased toughness, excellent mechanical properties and hot/wet performance due to low water absorption. Our carbon fibre plates are easy to machine and provide excellent tack properties (the ability for the product to adhere to itself or other materials).

Our product should be considered for significant weight reduction and high-strength applications.



Applications:

- Inserts
- Chassis components
- Structural chassis parts
- Gearbox inserts

Standard Sizes:

- 450mm sq x 5mm (up to 60mm thick)
- 300mm sq x 60mm (90mm thick)



About Smiths High Performance

Smiths High Performance is a leading stockholder and supplier of high-performance engineering materials. We are material supply chain partners supporting **high-technology market sectors**.

www.smithshp.cominfo@smithshp.com

Unit 3, Juno Place
Stratton Business Park
Biggleswade SG18 8XP

Tel: +44 (0)1767 604 708



All information in our data sheet is based on approximate testing and is stated to the best of our knowledge and belief. It is presented apart from contractual obligations and does not constitute any guarantee of properties or of processing or application possibilities in individual cases. Our warranties and liabilities are stated exclusively in our terms of trading.