

Features

- Quasi-isotropic fibre orientation
- High Strength and Stiffness: Carbon fibre sheets possess tensile strength many times greater than steel by weight, providing exceptional structural integrity.
- Lightweight: They are significantly lighter than steel or aluminium, making them ideal for applications where weight reduction is crucial.
- Corrosion and UV Resistance: The material is resistant to corrosion and UV rays, enhancing the longevity of products made from it.
- Aesthetic Appeal: The distinctive woven pattern gives a modern, high-tech appearance, often sought after in consumer goods and automotive parts.
- Flat, textured bonding surface on reverse

RS PRO HIGH STRENGTH CARBON FIBRE EPOXY SHEET

L:300MM x W:300MM x T:2MM

RS Stock No: 0783210



RS Professionally Approved Products bring to you professional quality parts across all product categories. Our product range has been tested by engineers and provides a comparable quality to the leading brands without paying a premium price.

Product Description

RS PRO High Strength Carbon Fibre Epoxy Sheet

Premium quality carbon fibre sheet manufactured using 100% high-strength carbon fibre reinforcement and epoxy resin with a smooth, glossy, cosmetic quality carbon fibre finish on one side and a textured 'peel-ply' finish on the reverse.

Key Features:

- 100% High-Strength Carbon Fibre: The sheets are manufactured using 100% high-strength carbon fibre reinforcement and epoxy resin.*
- Dual Surface Finish: One side features a smooth, glossy, cosmetic-quality finish, while the reverse has a textured "peel-ply" finish designed to provide a flat, textured surface for easier bonding.*
- UK Manufactured: The product is manufactured in the United Kingdom using materials sourced exclusively from the UK or European Union*

Applications:

- Motorsport*
- Marine*
- Light aircraft*
- Engineering*
- Automation*
- Displays*
- Exhibitions*
- Shop-fitting*
- Cabinets*
- Enclosures*

General Specifications

Material	100% Carbon Fibre + Epoxy
Form	Sheet
Length	300MM
Width	300MM
Thickness	2MM

Metal Sheets

Mechanical Specifications

Compressive Strength	570MPa
Young's Modulus (Longitudinal/Transverse)	70GPa
Density	1.6g/cm³
Max Operating Temperature	+80°C
Volume Fraction of Fibres	50%

Similar Products

RS Code	Form	Dimensions	Thickness
0783208	Sheet	300MM X 300MM	0.75MM
0783209	Sheet	300MM X 300MM	1MM
0783211	Sheet	300MM X 300MM	1.3MM