

## 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:1.3MM**

RS Stock No: 0783211



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 | 1.3MM                     |

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       |
| 0783210 | Sheet | 300MM X 300MM | 2MM       |