

## RP570 FR REEPREG

400 g/m<sup>2</sup> REEPREG

Resin content: 70%

### Description and Features

Our new carbon prepreg material made with recycled chopped carbon mat

- › Our processing allows almost full impregnation, which makes REEPREG drapeable and easily handled by the constructor, without falling apart when used.
- › Made from carbon waste from kit cutting and trimming, reducing landfill waste. In the near future, the finished component made using REEPREG – including scrap from trimming components – will also be recyclable, thus improving circularity and extending the life cycle of this product.
- › Available in combination with our component prepreg resin systems and, when combined with our eXpress cure systems, offers additional energy savings and improved sustainability when processed.
- › The material can be processed in autoclave and press, and used as a core material in conjunction with PRF's woven and UD prepreg materials.

#### Cure Cycle: Press

Temperature	Time	Hot Demould?	Pressure
140°C	20 minutes	Yes	10 Bar
150°C	10 minutes	Yes	10 Bar
160°C	5 minutes	Yes	10 Bar

Autoclave: 140°C 70 PSI for 30 minutes

### Storage:

≤-18°C	1 year
20°C ± 2:	60 days

All values are nominal.

#### Important notice

All statements, technical information and recommendations offered are only for consideration and evaluation. Whilst they are believed to be accurate they are not guaranteed and are provided without warranty of any kind. No undertaking is given that the goods/products supplied are fit for any particular purpose and the buyer/user should rely upon its own tests to establish suitability of the goods/products for its particular purpose. The buyer/user shall assume all risks and liabilities in connection therewith.

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## Mechanical Properties

RP570FR CNW400 70%  
Thickness: 1.72mm

<b>Tensile Strength (MPa)</b>	242.2
<b>Tensile Modulus (GPa)</b>	21.2
<b>Compressive Strength (MPa)</b>	235
<b>Compressive Modulus (GPa)</b>	17.2
<b>Inter-Laminar Shear Strength (MPa)</b>	27.1

All values are nominal.

**Note:**

Health and Safety: Refer to the full Material Safety Datasheet before use.

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