HYPETEX®

Guidelines

Section - 3

Material handling and storage

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Revision History				
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23/08/2023	Creation of Document	Dheegayu Ranasinghe	1.0	Nigel Dunlea
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Hypetex Material Handling Guidelines

IMPORTANT: Use material handling gloves to eliminate the cross-contamination from human skin and oils to the surface of the material.

Care must be taken when bending or manipulating the material & avoid stretching as this can warp the weave, show 'zebra lines' and potentially lead to inconsistencies in the colour.

Carbon fibre can cause skin and eye irritation therefore proper safety wear must be worn such as gloves and safety glasses.

Automated cutting machines can be used, though it is up to customers to adjust the cutting parameters according to their equipment. Some adjustments will be required and Hypetex recommends adjusting these on a small batch of the material beforehand to best define the required parameters.

Hypetex Material Storage Guidelines

Dry Fabric:

Hypetex carbon fibre is sent as a dry fabric and is not subject to varying weather conditions. It is recommended that the material is kept at a consistent temperature and humidity. The recommended temperature is 15°C-25°C and at less than 70% relative humidity.

Do NOT:

- Lay the roll of carbon fibre on any surface as the weight of the material itself can damage the material.
- Stand the roll of material vertically on its core as this will distort the material.

DO:

Keep the material on the roll provided and hang it on a dispenser stand.

Prepreg:

In prepregged form, the resin system manufacturer's recommendations are to be referred to, in general:

- Storage at -18°C for long-term storage and at least -5°C for short-term storage.
- Tightly sealed within its plastic bag and a cardboard box.
- For short-term use (less than 4 weeks), the material should be defrosted within its plastic sleeve to avoid any dew forming on the surface of the prepreg. (Prepreg suppliers should provide dew point temperature tables giving dew temperature thresholds depending on temperature and relative humidity of the room)

Please contact technicals@hypetex.com for further technical information.