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## Abstract of Published Article

### Processing of thermo-structural carbon-fiber composites

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#### Abstract:

The present work describes the processes used to process carbon fiber composites. The processing of these materials begins with the carbon fiber reinforcement, in the form of stack multidirectional reinforcement. Incorporating fiber reinforcement into the voids and interstices, leads to the densification of the composite. There are two principal processing routes for carbon fiber composites: liquid phase processing and gas phase processing. In both cases, the goal is to impregnate the carbon matrix with specific properties related to their application. In terms of yield, with liquid phase impregnation the yield processing yields around 15 per cent.

#### Keywords:

Carbon-carbon composites, Processing, Carbon fibers, F



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