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In-situ elevated temperature flexural and creep response of inter-ply glass/carbon hybrid FRP composites

Dinesh Kumar Rathore , Rajesh Kumar Prusty ,
Sarat Chandra Mohanty , Bhanu Pratap Singh ,
Bankim Chandra Ray

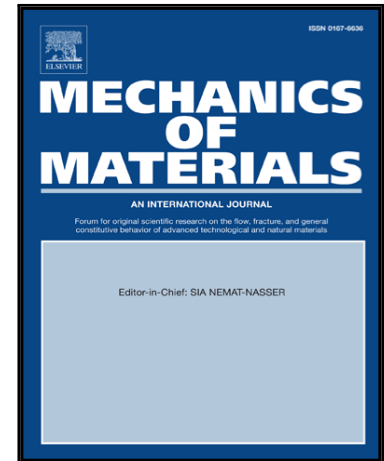
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Highlights:

- The flexural strength (FS) of C₂G₃C₂ is 83% higher than G₇, when tested at RT.
- Lowering in FS with higher T is more for FRP with higher carbon content.
- The onset of glass transition was delayed with increase in hybrid ratio.
- C₇ exhibits a lower ε_{inst} and higher ε_{time} over G₇ at higher T.
- At 110 °C, Creep resistance is superior in C₂G₅/G₅C₂ than both G₇ and C₇.

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