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### Improved Mode I fracture resistance of CFRP composites by reinforcing epoxy matrix with recycled short milled carbon fibre



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#### H I G H L I G H T S

- Recycled short milled carbon fibres are proved advantageous to increase  $G_{IC}$  of epoxy resin.
- Higher energy absorption through individual debonding and pull-out mechanisms is observed.
- Correlation between fracture toughness of matrix and composite is discussed.