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(57) Abstract :

The present disclosure relates to hybrid reinforced polymer composites (RPCs) highly suitable for industrial applications such as in automotive industries. An aspect of the present disclosure pertains to an RPC including a stacking sequence of one or more layers of glass fibre (G) interlaid with one or more layers of carbon fibre (C). The stacking sequence of the RPC can be symmetric in nature and ratio of said one or more layers of glass fibre and said one or more layers of the carbon fibre can be at least 6:4.

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