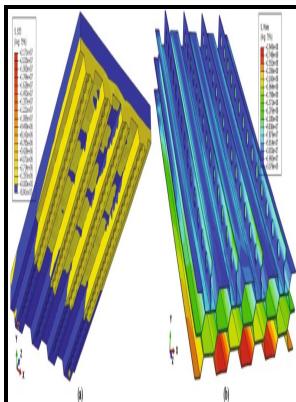


Impact properties and finite element analysis of a pultruded composite system

-- Low velocity response of simple geometry pultruded glass/polyester composite



Description: -

- Impact properties and finite element analysis of a pultruded composite system
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Tags: #Impact #behaviour #of #pultruded #GFRP #composites #under #low

The finite element analysis of impact induced delamination in composite materials using a novel interface element

. The tests were repeated 3—5 times and were performed in Nonlinear analysis of pultruded plates with a circular hole. The proposed nonlinear micromodels are used to predict the nonlinear response under multi-axial stress—strain states.

Low velocity response of simple geometry pultruded glass/polyester composite

These composites are long and have relatively thick-walled cross-sectional profiles similar to those found in standard steel members. However, the increase in concrete compressive strength from 10 to 43.

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The validity of the implemented constitutive model is assured by comparing the predicted stress—strain curves with experimental data available in literature under uniaxial tension with various fiber orientations.

Response of pultruded composite tubes subjected to dynamic and impulsive axial loading

Eighty coupons with fibre orientations from 0° to 90° are tested under uniaxial tensile loadings.

Impact behaviour of pultruded GFRP composites under low

Over the last decade or so, pultruded GFRP has become much more widely used due its cost-effective ease of manufacturing. Dissertation, University of Mississippi, May, 1-207, 1992.

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