

Title (en)

METHOD FOR DETERMINING THE BEHAVIOUR OF FIBRE-REINFORCED PLASTICS DURING PRODUCTION, DEVICE AND PLANT

Title (de)

VERFAHREN ZUR BESTIMMUNG DES VERHALTENS VON FASERVERSTÄRKTEN KUNSTSTOFFEN WÄHREND DER HERSTELLUNG, VORRICHTUNG UND ANLAGE

Title (fr)

PROCÉDÉ DE DÉTERMINATION DU COMPORTEMENT DE PLASTIQUES RENFORCÉS PAR DES FIBRES PENDANT LA FABRICATION, DISPOSITIF ET INSTALLATION

Publication

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Application

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Abstract (en)

[origin: WO2020094505A1] The invention relates to a method for determining the behaviour of fibre-reinforced plastics shown during production of same. Conclusions can be drawn from the determination outcome as to the behaviour of the fibre-reinforced plastics during the production thereof in a pultrusion process. In embodiments of the method (100) according to the invention, the method (100) comprises applying a fibre/plastic preform (26) to a rotation mandrel (24) and inserting (102) the mandrel into a heated test mould (25) (step 101). The mould (25) and mandrel (26) are rotated relative to one another (step 102) and at least one value is acquired for the drive torque and/or the support torque (step 103). A parameter of a production process in a pultrusion production line (10) can be determined by means of the at least one value.

IPC 8 full level

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