

A Practical Technique of Airless Tyres' Mold Manufacturing

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Abstract : Dissimilar to pneumatic tyres, airless tyres or flat-proof tyres (also known as tweel) is designed to have poly-composite compound treaded around a hub of flexible spokes. The main advantage of this design is its robustness as airless tyres are impossible to deflate or to blowout at highway speeds like conventional tyres so the driver does not have to be restless about having a spare tire. A summary of the study on manufacturing of airless tyres' mold is given. Moreover, we have proposed some advantages and disadvantages of using tweel tyres.

Keywords : airless tyres, tweel, non-pneumatic tyres, manufacturing

Conference Title : ICAMAME 2017 : International Conference on Aerospace, Mechanical, Automotive and Materials Engineering

Conference Location : London, United Kingdom

Conference Dates : February 16-17, 2017