

A composite foam laminate and its usage

5

Abstract

The present disclosure relates to a laminate for making a molded article comprising at least one fiber reinforcement impregnated with a resin matrix as a first layer and a foam as a second layer. The foam can be laminated to the first layer using a nanocomposite adhesive. The laminates can be easily molded using bagging mold techniques. The resulting molded devices have uses in biomedical, health care and sport protective devices. Due to the improved strength of material, it is possible to drill holes into the device shell allowing for improved ventilation.

[No suitable figure]

20