

Title (en)

MULTI-LAYERED FILMS FOR USE IN AIRBAGS AND FOOTWEAR

Title (de)

MEHRSCHICHTIGE FOLIEN ZUR VERWENDUNG IN AIRBAGS UND SCHUHWERK

Title (fr)

FILMS MULTICOUCHES DESTINÉS À ÊTRE UTILISÉS DANS DES COUSSINS D'AIR ET ARTICLES CHAUSSANTS

Publication

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Application

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Abstract (en)

[origin: WO2023010027A1] Airsoles or bladders for articles of footwear comprising multi-layered films are provided herein. In one aspect, the airsoles or bladders comprise a first sheet and a second sheet, wherein a first side of the first sheet faces a second side of the second sheet, wherein the first sheet and the second sheet are bonded together to form an internal cavity in a space between the first side of the first sheet and the second side of the second sheet, forming a bladder capable of retaining a gas in the internal cavity at a pressure above atmospheric pressure, at atmospheric pressure, or below atmospheric pressure; and wherein each of the first sheet and the second sheet comprise a multi-layered film comprising: a core region comprising at least 20 gas-barrier layers and a plurality of elastomeric layers, wherein the gas-barrier layers alternate with the elastomeric layers.

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