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(54) Title: A METHOD AND APPARATUS FOR FORMING STRUCTURAL ARTICLES**(57) Abstract**

The present invention discloses structural articles such as helmets (33), cooler chests (151), pallets (40), building boards (70) and a large number of diverse articles all formed from an inner, preferably air permeable, body (33, 70) to which a structural strength imparting skin or layer (15, 71) has been applied to either a single surface or opposite surfaces. The body can be expanded polystyrene (EPS), wood, particle board, cellulosic fiber cement, GECET or CARIL. The sheet or skin can be acrylonitrile butadiene styrene (ABS), polyester, styrene, or polycarbonate. Amorphous polyester (APET) is particularly preferred. A method of forming such structural articles and apparatus for use in carrying out the method are also disclosed.

