BLOW MOLDED LINER FOR OVERPACK CONTAINER AND METHOD OF MANUFACTURING THE SAME

ABSTRACT

The present disclosure relates to flexible, three-dimensional injection blow molded or injection stretch blow molded liners for use in overpacks, bottles, containers, etc. and methods for manufacturing the same. A method for manufacturing a liner may include injecting a polymeric material into a preform mold die to form a preform, blow molding the preform to form the liner, collapsing the liner and positioning the liner in an overpack, and inflating the liner. A fluoropolymer may be used for the preform. A liner may comprise a flexible body that substantially conforms to the interior of an overpack and a fitment port integral with the flexible body. The flexible body may be adapted to be removably inserted into the overpack by collapsing the flexible body, inserting the flexible body into the overpack, and re-inflating the flexible body inside the overpack. The flexible body may comprise a fluoropolymer and may comprise multiple layers.

FIGURE 1