

Plastics-material internal container having an inliner

Abstract

The present invention relates to a rigid plastics-material internal container (12) from a thermoplastic plastics material for a pallet container (10) or a similar large-volume retainer for storing and for transporting liquid or free-flowing filling materials, having a flexible inliner (28) from a thin-walled plastics-material or composite-material film that is inserted into the rigid plastics-material internal container (12).

For filling and removal at the base, the thin-walled inliner (28) at the base side has at least one filling and removal connector (42), said filling and removal connector (42) at the front being fixedly welded into a corresponding filling and removal connector (32) at the base side of the rigid plastics-material internal container (12). For filling from above and removal of the filling material at the base side, the rigid plastics-material internal container (12) and the thin-walled inliner (28) can in each case also be provided with an upper filling connector, wherein in this instance the upper filling connector (44) of the thin-walled inliner (28) is likewise fixedly welded into the filling connector (30) of the rigid plastics-material internal container (12).

The thin-walled inliner (28) that is inserted in the rigid plastics-material internal container (12) in the assembled final state by way of vacuuming bears in a fully planar manner on the internal surface of the rigid plastics-material internal container (12), and in the empty non-filled state as well as in the filled state of the rigid plastics-material internal container

(12) adheres in an immovable fixed manner, as if adhesively bonded, on the internal surface, in particular also on the upper base of the internal container.

(Figure 1)