Patent claims

1.) A pallet container for storage and for transportation of liquid or free-flowing contents, having a thin-walled, rigid plastic inner container composed of thermoplastic material, having a tubular lattice frame, which, in the form of a supporting jacket, tightly encloses the plastic inner container and which is composed of horizontal and vertical tubular bars which are welded to one another, and having a rectangular bottom pallet, on which the plastic inner container bears and to which the tubular lattice frame is firmly connected, wherein the cubic plastic inner container has an upper filler neck, which can be closed off by means of a screw cover, and has a bottom-side extraction fitting, characterized in that

- the extraction fitting includes an extraction fitting housing with an external thread which can be closed off by a screw cap with a corresponding internal thread, and wherein a flexible inliner composed of plastic film is inserted into the rigid plastic inner container and, at the bottom, is connected in a gas- and liquid-tight manner to the extraction fitting, of the rigid plastic inner container via an inliner connector,
- the inliner connector of the inliner is, via a cylindrical welding region, welded directly to a cylindrical tube connector, facing toward the inner side of the plastic inner container, of the extraction fitting,
- a drainage tube is firmly inserted into the cylindrical tube connector of the extraction fitting housing of the extraction fitting and projects through the inliner connector into the inliner, and
- the inliner is rolled up from both sides to the center to form a bar-like film roll and is covered by a tubular packing cover.

2.) The pallet container as claimed in claim 1,
characterized in that
the inliner connector is, by means of a pin-like welding device introduced from the outer side of the extraction fitting into the extraction fitting housing, welded onto the inner surface of the cylindrical tube connector of the extraction fitting housing.

3.) The pallet container as claimed in claim 1,
characterized in that

the inliner connector is, by means of a pin-like welding device introduced from the inner side of the inliner into the extraction fitting housing, welded onto the inner surface of the cylindrical tube connector of the extraction fitting housing.

4.) The pallet container as claimed in claim 1,
characterized in that
the extraction fitting is in the form of a 3-inch extraction fitting, and, for the insertion of the drainage tube, a base disk is inserted into the cylindrical tube connector of the extraction fitting housing of the extraction fitting.

5.) The pallet container as claimed in claim 4,
characterized in that
the drainage tube and the base disk are produced as a one-part component in an injection-molding process.

6.) The pallet container as claimed in claims 4 or 5,
characterized in that
the base disk is fixed in a rotationally fixed manner in the extraction fitting by means of a metallic grounding screw screwed in through the cylindrical tube connector of the extraction fitting housing.

7.) The pallet container as claimed in one of the preceding claims 1 to 6,
characterized in that
the inliner is in the form of a simple rectangle-shaped pillow liner.

8.) The pallet container as claimed in one of the preceding claims 1 to 7,
characterized in that
the tubular packing cover consists of a thin plastic film and is provided with a separating line which extends in a longitudinal direction and which can be easily torn open.

9.) The pallet container as claimed in one of the preceding claims 1 to 8,
characterized in that
the extraction fitting is formed as an easily exchangeable module unit which unfolds automatically during filling.

10.) The pallet container as claimed in one of the preceding claims 1 to 9, characterized in that

- the flexible inliner connector is produced as a tubular film with a first diameter,
- the flexible inliner is produced as a tubular film with a second diameter larger than the first diameter, and
- the flexible inliner connector is produced from the same multi-layer composite film material with same barrier properties as the flexible inliner.

11.) The pallet container as claimed in one of the preceding claims 1 to 10, characterized in that

arranged in the screw cover at the closable container opening in the top of the plastic inner container is a bung opening which can be closed off by means of a 2-inch or ¾-inch bung plug and which serves for connection of a compressed-air pump.