

Title (en)
PALLET CONTAINER

Title (de)
PALETTENCONTAINER

Title (fr)
CONTENEUR A PALETTES

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Abstract (en)
[origin: WO0234642A1] The invention relates to a pallet container (10) comprising a thin-walled inner container (12), preferably consisting of a thermoplastic plastic, for storing and transporting liquid or free-flowing filling materials, a tubular framework of metal bars, which closely surrounds the plastic container (12) and acts as a support shell (14) and a base pallet (16), on which the plastic container (12) rests and to which the support shell (14) is connected in a fixed manner. In order to receive official certification, the pallet container (10) must undergo various certification tests, such as a compression pressure test, interior pressure test or a drop test. During the drop test, the vertical lattice bars (20) are often wrenched out of or shear away from their anchorage on the base pallet (16). According to the invention, to prevent such detrimental effects, the tubular bars (18, 20) of the support shell (14) are provided with specific features in the event of the container falling, said features allowing a plastic deformation of the support shell (14) at specific predeterminable points, whilst preventing the individual tubular bars (20) from shearing or being wrenched out of their anchorage. According to one embodiment of the invention, the features allowing the plastic deformation of the support shell take the form of a flexure point coupled with a reduced cross-section of the bars.

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