

Title (en)
PLASTIC PALLET WITH REINFORCEMENTS FOR REDUCING BENDING

Title (de)
KUNSTSTOFFPALETTE MIT VERSTÄRKUNGEN ZUR BIEGEREDUZIERUNG

Title (fr)
PALETTE EN MATIÈRE PLASTIQUE DOTÉE DE RENFORTS POUR RÉDUCTION DE LA FLEXION

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Application
EP 13882578 A 20130416

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Abstract (en)
The invention relates to a plastic pallet comprising reinforcements, such as inserts, which is moulded from a thermoplastic material and has a high resistance to bending caused by the load when these pallets are being moved using conveying and handling mechanisms, such as when the pallet is subjected to racking load. The plastic pallet with reinforcements of the invention is reinforced with inserts which are positioned strategically on the cover of the pallet in order to increase the stiffness of the general structure of the pallet and which are completely embedded in the plastic foam material that is injected into the columns of the plastic pallet, thereby preventing the inserts from moving or being removed. In addition, the plastic pallet with reinforcements is lighter compared to conventional pallets, including other reinforced pallets, and offers improved structural support characteristics. At the end of its useful life the pallet of the invention can be fully recycled, thereby reducing the environmental impact caused by the disposal of these types of plastic pallets.

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