

### **143 Requirements specification for reusable 1/3 plastic pallet (from NLP)**

STATUS: APPLICABLE STANDARD

- **Weight**
  - The weight of the pallet shall not exceed 8 kg
  
- **Max load**
  - Dynamic load: The pallet must handle a load of at least 200 kg according to the requirement of immersion, see dimensions at maximum load, last point
  - Static load (on floor): 400 kg
  
- **Dimensions at maximum load**
  - Maximum outer dimension (LB) 403 x 803 mm
  - Minimum outer dimensions (LB) 397 x 797 mm
  - Height: 130-160 mm
  - Tunnel opening: 100-140 mm
  - Tunnel opening: Reduction of the top deck at weight load shall not be less than 100 mm
  
- **Material**
  - The material must withstand handling at +40 °C to -35 °C
  - The material must be HDPE or other materials of equivalent strength and life span
  - The material shall have properties that ensure that the pallet is resistant to stretch and deformation within specified temperatures throughout the lifetime of the pallet
  - Fire classification must be specified
  - The heavy metals (Lead, Cadmium, Mercury and Chromium) in the colouring pigment should not exceed 100 ppm
  - The pallet should be washable and 100% recyclable
  
- **Characteristics**
  - Friction on the top of the pallet, underneath and below the skids / legs should be such that the pallet works with a normal handling of products with different material types such as plastic box, corrugated board, wooden pallet, half pallet, quarter pallet, 1/1 pallet, 1/3 pallet etc
  - The friction must be constant during the lifetime of the pallet
  - The norm for friction is EUR wooden pallet
  
- **Marking and traceability**
  - The pallet must be marked with the manufacturer, material, production time, recycle symbol, and who owns the pallet
  - The pallet shall be marked with a logo or other markings visible from 2 sides
  
- **Handling the pallet**
  - The pallet must be handled from both sides, as well as work with fork lifts and automatic warehouse handling systems
  - The pallet will work in standard pallet turners, pallet stackers and pallet magazines
  
- **Design**
  - The pallet must be designed so that no pockets can collect dirt, water, etc. This is to minimize the risk of bacterial collection
  - The pallet must be designed for cleaning with pressure wash and / or immersed in water
  - The overall environmental impact of the pallet / material must be documented
  - The load deck / top deck shall be flat to avoid damage to products and to make manual handling easy
  - The colour of the pallet must be neutral