

Product Safety Sheet - Usage information for consumers

Plastic pallet boxes

Explanation of markings:

Manufacturer details



The manufacturer's information is often found in a specific location, such as on the side or bottom of the product. This can be displayed in the form of a logo, brand name, or an embedded label.

Production batch



You can find the production batch on our plastic products by looking at the injection molding clock. This marking, often found on the bottom or side of the product, provides information about the production year and month. The injection molding clock is a useful tool for determining the exact production date, which is helpful for quality control, warranty claims, or product recalls.

Food safety symbol



Many of our plastic products feature the food safety symbol, which indicates that the product is safe for direct contact with food. This symbol is usually represented by a glass and fork and is typically located in a visible spot, such as the side or bottom of the product. The food safety symbol is important if you want to ensure that the product is suitable for use in the food industry, household applications, or other situations in which the plastic product directly comes in contact with food. This information can also be found in our product datasheets.

Material type



The type of material of our plastic products can be identified by the material symbol on the product, usually found on the bottom or side. This symbol consists of an abbreviation, such as 'PP' (polypropylene), 'HDPE' (high-density polyethylene), 'PVC' (polyvinyl chloride), or 'ABS' (acrylonitrile butadiene styrene), often depicted within a triangle of arrows. This symbol helps you quickly determine the material and suitability for an applications. In addition to the markings on the product, detailed information regarding the type and properties of the plastic material is provided in our product datasheets. This information is essential for making well-informed material selections, particularly when specific properties such as food safety, temperature resistance, or chemical resistance are critical considerations.

Product specifications


- **Product datasheet:** Product datasheets can be downloaded from our [website](#) or [webshop](#) by searching for the product's article number.
- **Dimensions:** The dimensions may vary by up to 2%, either up or down, compared to the specified measurements. Temperature variations may affect the dimensions.
- **Material:** See the product datasheet for details.
- **Recycling:** The product is fully recyclable and should be disposed of in accordance with the applicable local recycling regulations and guidelines.

Load capacity

- **Load capacity:** The specified maximum load capacities apply to evenly distributed and stable loads at a temperature of 20°C. Do not exceed these maximum loads.

- **Point loads:** Point loads or unstable cargo, such as liquids or bulk goods, fall outside the scope of these specifications and may yield different results. These scenarios require specific testing.
- **Maximum load capacity:** The maximum capacity per box when evenly distributed and loaded stably while the box is positioned on a flat surface.
- **Maximum static stacking load:** The maximum weight (in kilograms) that the box can withstand when stationary with boxes stacked on top (including its own load and any additional weight stacked on top).
- **Maximum dynamic stacking load:** The maximum weight (in kilograms) that the box can withstand when in movement with boxes stacked on top. E.g. during short-term handling, such as with a forklift. The weight includes its own load and any additional weight placed on top.
- **Temperature resistance:** The stated temperature resistance applies to long-term use unless otherwise specified. Prolonged use below freezing may cause slight shrinkage, which is important to note when used on shelving (e.g. pallet racks / drive-in racks).

Color and food safety

- **Colors:** Colors are indicated with RAL tones. The specified RAL tones are estimations; colors in plastic may vary slightly from the specified RAL color. Furthermore, color variations may arise due to differences in the raw materials utilized.
- **Food safety:** Products suitable for direct contact with food are marked with a  symbol as described under "Explanation of markings." Ensuring timely cleaning and maintaining hygiene is the responsibility of the user.

Potential risks

- **Material breakage and injury:** Exceeding load capacities or improper use (e.g., exposure to high temperatures) may cause breakage and risk of falling objects.
- **Physical strain:** Moving loaded pallet boxes may require physical effort, potentially leading to back or muscle strain.
- **Health risks:** Risk of pinching or injury, particularly when using (hinged) lids.
- **Overloading:** Exceeding the specified load capacities may result in deformation or breakage of the boxes.
- **Uneven surfaces:** Using boxes on unstable or uneven surfaces may lead to instability, increasing the risk of falling objects, injuries, or damage.
- **Operating temperatures:** Operating outside the specified temperature limits may cause deformation or damage.
- **Fire hazard:** Plastic can melt when exposed to open flames or extreme heat, posing a fire risk and releasing toxic fumes.
- **Inadequate cleaning:** Poor hygiene can lead to bacterial growth and cross-contamination.

Safety measures

- **Even load distribution:** Ensure even distribution of loads in the pallet box to prevent tipping and instability.
- **Operating temperature:** Use the boxes within specified temperature ranges to avoid deformation or damage.

- **Secure lids:** Secure and check attached lids to prevent spillage of liquids during transport.
- **Frequent inspections:** Regularly inspect pallet boxes for cracks, deformations, or other signs of wear. Do not use damaged products; replace them as necessary.
- **Usage of protective gloves:** Wear protective gloves when handling damaged products to avoid injury.
- **Careful handling:** Check for damage or cracks before use. Stack pallet boxes carefully to ensure stability.
Handle plastic pallet boxes in shelving systems with care and ensure frequent inspections.
- **Transport tools:** Use suitable lifting and transport equipment for safe handling.
- **Avoid overloading:** Avoid overloading by adhering to specified load limits.
- **Frequent cleaning:** Maintain proper hygiene by cleaning the boxes thoroughly. Rinse with clean water and dry properly.
- **Compliance of cleaning products:** Ensure cleaning products comply with legal requirements and are registered.

For questions or more information, please contact:

Transoplast BV

(Distributor)

Ulenpasweg 2

7041 GB 's-Heerenberg

The Netherlands

Email: info@transoplast.com

Phone: +31 (0)314-664400