

# 120L PLASTIC WHEELIE BIN

1. Capacity: 120L ( $\pm 5\%$ );
2. L\*W\*H (mm):  $572 \times 582 \times 950$  ( $\pm 5\%$ )
3. Total Weight: 7.54kg ( $\pm 5\%$ ), Barrel Weight: 5.3kg ( $\pm 0.3\text{kg}$ );
4. The wheel axle functions as an insertion anti-theft mechanism and is constructed of Q235 steel with a  $12\mu$  galvanized steel surface electroplating. It allows a long term anti-corrosion period. The outside wheels of the tires are made of natural rubber, and the inside wheel frame is made of plastic. Bearing capacity for each wheel is 120 kg, with an error margin of 5 kg. The parts are made of stainless steel.
5. Barrel wall thickness  $\geq 3.5\text{mm}$ , barrel lid thickness  $\geq 2.5\text{mm}$ . Material: High-density polyethylene (HDPE). It exhibits resistance to deformation and cracking at extreme temperatures ranging from  $65\text{ }^{\circ}\text{C}$  to  $-40\text{ }^{\circ}\text{C}$ .
6. The garbage bin adopts a double skirt design along the rim, with mesh reinforcement ribs;
7. The existence of a radical reinforcement design (no smaller than  $14 \times 15\text{ cm}$ ) reduces the impact of garbage on the bottom of the barrel and the distance between the ground and the barrel base ( $\geq 1.5\text{cm}$ ) allows a stable placement.

8. There is a “no-burning” sign on the barrel lid, and the handle has at least three strengthening plates that keep it from bending or breaking.
9. Black plastic pins (ABS material) held the lids to the bin barrel by connecting two outer ears on the lids to the handle firmly. The interface is not completely jammed to withstand the impact when there was a force applied on top. But it's not loose either. The structural testing has confirmed the design's usability. In addition, the little dots on the grip makes the handle perform better in slip-resistant. There are eight strengthening ribs connecting the handle to the barrel, which gives a strong support that makes it less likely to break, and makes last longer. The hanger-like hook next to the handle is where the trash bags can be kept and hung.
10. The bin meets ISO and En840 global standard.

### **Detailed introduction of each part of the product**



■ Body

It is made of HDPE material. One-time injection molding is applied to create no joint and smooth surfaces. EN840-5 standard is followed during the production.



■ Reinforcing ribs on both sides and top corner of the rim strengthen the product and make it more eye-catching. They also work to prevent the damage of the bin during transportation.



■ The handles on both sides of the lid are added with stiffeners in the original design to enhance the stress strength of the lid and increase the durability of the handle. The service life of the lid is prolonged.

\* Fire/ No-burning sign and bin volume are engraved on the right corner of the bin rim. No gap between the lids and the bin body when closed ensuring good performance in leakage proof.



■ Bin body handle

There are 8 supporting ribs connecting the handle to the barrel. The connection is firm, which increases the impact resistance of the bin body handle, improves the protection degree of the handle and prolongs the service life. The upper part of the handle features some anti-skid particles, and the lower part is designed with an ergonomic concave convex grip feeling of fingers.



■ Pin

The pin is made of ABS material, and undergoes a one-time injection molding process, resulting in exceptional strength and durability. This ensures a secure connection between the bin body and lid, preventing any risk of detachment.



■ Bin edge

The latest double skirt design is utilized for the rim of the dustbin in the form of mesh reinforcement. This mechanical strengthens the bin when lifting.



■ It is equipped with 6pcs wear-resistant nails made of ABS. There is a small frame close to the shaft serves to leave some important information. If necessary, manufacturer's name, telephone number and ex factory date can be added.



■ The edge of the handle of the dust bin is provided with a special garbage bag storage structure to facilitate the fixation of the garbage bag.



■ The axles

The shaft is constructed from Q235 material and coated with an electro-galvanized anti-rust layer. The surface undergoes a thorough pickling process for three times to remove any oxidation before being treated with a special electro-galvanizing technique. This ensures durability and provides excellent resistance against oxidation and rust. The coating has a thickness of 12  $\mu$ , guaranteeing long-lasting protection for 10 years.



■ Rubber wheel

The wheel hub and rim are constructed using high-density polyethylene (HDPE), with an inner ring made of polyethylene, a built-in steel sleeve, and an outer ring composed of rubber. The wheel is made of 100% imported HDPE raw material and manufactured using a unique injection molding process, setting it apart from other similar products. The patented technology ensures the secure fixation of the moving wheel, preventing theft or detachment. With a rubber hardness test reaching 65+5, smooth movement and easy cleaning are guaranteed. The diameter of the wheel is 200mm (+/- 5%)