



UN-Certified

 **FSSC** 22000

1000L Food Grade Composite IBC

Quality, safety, durability and sustainability included.

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Packaging Solutions



1000L Food Grade Composite IBC

This 1,000 L food-grade, UN-certified IBC features a natural-color PE-HD inner bottle with food-contact compliance, enhanced aging resistance, and UV stabilization. It is equipped with a food-grade DN150 filling opening and a DN50 ball or butterfly valve for discharge. All food-contact components are manufactured in an ISO Class 8 cleanroom (Class 100,000). The container is suitable for the safe storage and transportation of edible liquids and food ingredients.



1 Technical Data

Item	Value
Brimful Capacity	1060 L
Nominal Capacity	1000 L
Length	1200 mm
Width	1000 mm
Height with pallet	1145 mm
Filling opening	DN150/225
Discharge opening	DN50/80
Fork opening	100 mm
Label plate	1/2 pieces
Corner Protector	4 pieces
Weight (Inner container)	14.5 ± 0.5 kg
Total Weight (approx)	55 ± 1 kg

2 Basic Product Overview

Parameter	Content
Standard Matching	DN150 filling assembly with food-grade EPDM/TPE gasket; DN50 welded ball valve
Standard Accessories	2 steel label plates, 4 PE-HD corner protectors
Pallet Spec	1000×1200 mm four-way entry galvanized steel frame pallet
Overall Structure	Galvanized steel tubular grid frame, 4-way entry steel frame pallet

3 Detailed Breakdown

3.1 Outer Frame & Pallet: Galvanized steel grid frame with front & rear label plates, 4 PE-HD (PCR) corner protectors.

3.2 Inner Container: Blow molded natural PE-HD tank with anti-UV particles.

3.3 DN150 Filling Assembly: DN150/225 red (different colors available) PE-HD threaded cap with vented G2 plug and EPDM/TPE sealing gaskets. Blind lid is also available.

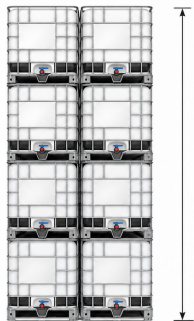
3.4 DN50 Weld Ball Valve: DN50/80 ball valve / butterfly valve, outlet sealed by PE-lined aluminum film.

3.5 Compliance: UN 31HA1 certified; heavy metals (Pb, Cd, Cr(VI), Hg) ≤100 ppm; compliant with EU 10/2011, EC 1935/2004 and EU 2024/3190; FSSC 22000 certified; FDA test report available.

4 Component Structure & Material Specifications

4.1 Dynamic Transport Stacking:

For transportation and storage, a maximum of two stacking layers is permitted when the product density is less than 1.5. For products with a density greater than 1.5, only single-layer stacking is permitted.



4.2 Static Warehouse Storage Stacking:

Fully filled composite IBCs allow a maximum stacking height of 4 layers under stationary indoor storage conditions.

* Please place on a flat and solid surface and ensure even load distribution.

IBC Lids

Compatible with the full range of IBC tank sizes. Features DN150/DN225 external threads and a G2 vent plug for universal fit. Food-grade EPDM, TPE gaskets are available. Blind cap and multiple color options are available upon request.



IBC Discharge Valves

Food-grade DN50 and DN80 outlets fit all standard IBC specifications. Ball valves or integrated butterfly valves with Camlock connectors and EPDM/FKM seals are available as options. Welded valves are recommended, especially for overseas shipments, for enhanced durability during transportation. Multiple color options are available upon request.



IBC Pallets

Galvanized steel, plastic, and skid pallet configurations are available. All pallet options are engineered for high load-bearing capacity and enhanced durability. Galvanized steel pallets are recommended for heavy-duty logistics and high-intensity handling, while plastic pallets offer superior corrosion and chemical resistance, making them ideal for aggressive chemical applications. Skid pallets are also available for applications requiring easy dragging and manual handling..





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