

Product ID: 2 | Category: PET

Soft Drink Bottle

PET bottle for carbonated soft drinks, pressure resistant

General Information

MATERIAL

PET (Polyethylene Terephthalate)

NECK FINISH

28mm PCO 1881

WEIGHT (500ML)

18-24g

TRANSPARENCY

90-92%

TEMPERATURE RANGE

70-85°C

PRESSURE RESISTANCE

4-5 bar

Available Specifications

Volume	Available Colors	Price Range (USD)
500ml	Clear, Blue	\$0.35 - \$0.38
1L	Clear, Blue	\$0.40 - \$0.43
1.5L	Clear, Blue	\$0.45 - \$0.48
2L	Clear, Blue	\$0.55 - \$0.58

Key Features

- ✓ High CO₂ barrier properties maintain carbonation levels
- ✓ Pressure resistant design withstands 4-5 bar internal pressure
- ✓ Petaloid base structure for stability and strength
- ✓ Lightweight construction reduces transportation costs
- ✓ 100% recyclable PET material
- ✓ Burst pressure exceeds 10 bar for safety margin
- ✓ Optimized wall thickness distribution

Applications

Specifically designed for carbonated soft drinks, sparkling water, energy drinks, and any beverage requiring CO₂ retention. The pressure-resistant design ensures product integrity throughout shelf life.

Technical Specifications

DENSITY

1.38 g/cm³

WALL THICKNESS

0.3-0.4mm

BURST PRESSURE

>10 bar

CO₂ RETENTION

Excellent (>95%)

BASE DESIGN

Petaloid structure

ORIENTATION

Bi-axial stretch blow molded

Quality Standards & Certifications

ISO 9001:2015

FDA Approved

EU 10/2011

REACH Compliant

FSSC 22000

Pressure Tested

Note: Each batch undergoes rigorous pressure testing to ensure safety and quality standards.

Storage & Handling

- ✓ Store in cool, dry environment away from direct sunlight
- ✓ Recommended storage temperature: 15-25°C
- ✓ Avoid exposure to temperatures above 50°C
- ✓ Protect from impact and mechanical stress
- ✓ Stack pallets maximum 2 high due to pressure design

Environmental Information

RECYCLABILITY

100% Recyclable

RECYCLING CODE

1 (PET)

RPET COMPATIBLE

Yes, up to 100%

CARBON SAVINGS

30% vs glass bottles