

Product ID: 4 | Category: PP

Chemical Bottle

Chemical resistant PP bottle, high heat resistant

General Information

MATERIAL

PP (Polypropylene)

NECK FINISH

45mm Wide Mouth

WEIGHT (1L)

30-45g

TRANSPARENCY

Translucent

TEMPERATURE RANGE

Up to 130°C

AUTOCLAVABLE

Yes (121°C, 20 min)

Available Specifications

Volume	Available Colors	Price Range (USD)
500ml	Clear, Blue	\$1.20 - \$1.25
1L	Clear, Blue	\$1.50 - \$1.55
1.5L	Clear, Blue	\$1.80 - \$1.85
2L	Clear, Blue	\$2.20 - \$2.25

Key Features

- ✓ Excellent chemical resistance to acids, bases, and solvents
- ✓ High heat resistance up to 130°C for hot fill applications
- ✓ Autoclavable for sterilization (121°C, 20 minutes)
- ✓ Durable construction with high impact resistance
- ✓ Wide range of chemical compatibility
- ✓ Thick wall construction (1.5-2.5mm) for durability
- ✓ Leak-proof threaded cap design

Applications

Ideal for industrial chemicals, laboratory reagents, acids, bases, solvents, cleaning solutions, and other aggressive substances. Suitable for industrial, laboratory, and commercial applications.

Technical Specifications

DENSITY

0.94-0.97 g/cm³

CHEMICAL RESISTANCE

Excellent

HEAT RESISTANCE

Up to 130°C continuous

WALL THICKNESS

1.5-2.5mm

IMPACT STRENGTH

High

STERILIZATION

Steam autoclave compatible

Chemical Compatibility Chart

Chemical Type	Compatibility	Notes
Acids (dilute)	Excellent	Up to 50% concentration
Bases (dilute)	Excellent	Up to 40% concentration
Alcohols	Good	Most common alcohols
Solvents	Good to Excellent	Varies by solvent type

Quality Standards & Certifications

ISO 9001:2015

REACH Compliant

RoHS Compliant

Chemical Tested

UN Approved

Warning: Always verify chemical compatibility for specific applications. Contact technical support for detailed compatibility data.

Storage & Handling

- ✓ Store in cool, dry, well-ventilated area
- ✓ Keep away from incompatible materials
- ✓ Avoid prolonged exposure to temperatures above 50°C when empty
- ✓ Handle with appropriate protective equipment
- ✓ Follow all relevant safety regulations for chemical storage

Environmental Information

RECYCLABILITY

100% Recyclable

RECYCLING CODE

5 (PP)

BPA CONTENT

BPA-Free

REUSABILITY

Multiple use cycles