

# 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/cm<sup>3</sup>

### 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