

Thermal Bottle

Premium PC thermal bottle with excellent heat retention

General Information

MATERIAL

PC (Polycarbonate) - BPA Free

NECK FINISH

Wide Mouth Screw Cap

WEIGHT (1L)

200-350g

TRANSPARENCY

89-91% (Outer Layer)

TEMPERATURE RANGE

-100°C to 135°C

INSULATION TYPE

Double Wall Vacuum

Available Specifications

| Volume | Available Colors | Price Range (USD) |
|--------|--------------------|-------------------|
| 500ml | Clear, Blue, Green | \$2.00 - \$2.10 |
| 1L | Clear, Blue, Green | \$2.50 - \$2.60 |
| 1.5L | Clear, Blue, Green | \$3.00 - \$3.10 |
| 2L | Clear, Blue, Green | \$3.50 - \$3.60 |

Key Features

- ✓ Vacuum insulation technology for superior temperature retention
- ✓ Keeps beverages hot for 12-24 hours
- ✓ Maintains cold temperatures for 24-48 hours
- ✓ BPA-free certified polycarbonate material
- ✓ Leak-proof design with secure screw cap
- ✓ Wide mouth opening for easy ice cube addition
- ✓ Double wall construction prevents condensation

Applications

Perfect for hot beverages (coffee, tea, soup), cold drinks (water, juice, smoothies), travel, office use, outdoor adventures, camping, and daily commuting. Ideal for maintaining beverage temperature throughout the day.

Technical Specifications

DENSITY

1.20 g/cm³

HEAT RETENTION

12-24 hours (hot)

COLD RETENTION

24-48 hours (cold)

CONSTRUCTION

Double wall vacuum

MOUTH OPENING

Wide (53mm)

CONDENSATION

None (insulated)

Temperature Retention Performance

| Time Period | Hot Beverage (95°C) | Cold Beverage (4°C) |
|-------------|---------------------|---------------------|
| 6 hours | Above 75°C | Below 10°C |
| 12 hours | Above 60°C | Below 12°C |
| 24 hours | Above 45°C | Below 15°C |
| 48 hours | - | Below 18°C |

Quality Standards & Certifications

BPA-Free Certified

FDA Approved

EU 10/2011

REACH Compliant

Leak Tested

Thermal Tested

Note: Each bottle undergoes thermal performance testing to ensure specifications are met.

Care & Maintenance

- ✓ Hand wash recommended for longevity
- ✓ Do not use in microwave or freezer
- ✓ Clean with warm soapy water after each use
- ✓ Dry thoroughly before storing
- ✓ Do not use bleach or harsh chemicals
- ✓ Check seal regularly for optimal performance

Design Features

HANDLE

Ergonomic carry handle

CAP DESIGN

Double seal technology

BASE

Non-slip silicone

FINISH

Scratch-resistant

Environmental Information

RECYCLABILITY

Components recyclable

RECYCLING CODE

7 (PC)

REUSABILITY

5000+ uses

LIFE SPAN

10+ years