



GATLA PLASTIC INDUSTRIES

Premium HDPE Plastic Packaging Solutions

Product Catalogue

HDPE Bottles (50 ml to 1000 ml)

Industry-wise range with technical specifications, neck finishes and closure compatibility

- ✓ Material: Virgin HDPE / customer-specified blend
- ✓ Manufacturing: Extrusion blow moulding
- ✓ Options: colours, printing/labelling, liners, tamper evidence
- ✓ Quality: leak testing and dimensional checks (as per requirement)



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1. Catalogue Overview

This catalogue summarizes standard HDPE bottle options supplied by GATLA PLASTIC INDUSTRIES (GPI) across common B2B industries. It covers a practical 50 ml to 1000 ml range, with typical shapes, neck finishes and compatible closures. Exact dimensions, weight and tolerances depend on the selected mould and customer requirements.

What you can customize:

- Bottle capacity (nominal and brimful), weight (light/standard/heavy-duty)
- Colour (natural/white/custom masterbatch), finish (gloss/matte)
- Neck finish and closure type (screw/CRC/flip/disc/pump/trigger/spout/TE)
- Sealing method (EPE liner, wad, induction seal liner, inner plug)
- Branding (sticker label, screen print, hot foil, sleeve)
- Packing style (carton packing, separators, palletization as required)

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2. Standard Technical Specifications

Use the following specification format for quotation, sampling and approvals.

Parameter	Specification (fill as per requirement)
Nominal capacity	___ml (50 ml to 1000 ml)
Brimful capacity	___ml
Weight	___g (Light / Standard / Heavy duty)
Neck finish	e.g., 20/410, 24/410, 28/410, 28 mm, 38 mm, 45 mm, 46 mm, 53 mm
Height x Diameter/Width	___mm x ___mm
Label panel / printable area	___mm (H) x mm (W)
Material	HDPE (virgin / blend as required)
Colour	Natural / White / Custom
Surface	Gloss / Matte
Closure compatibility	Screw / Flip / Disc / CRC / Pump / Trigger / Spout / TE cap
Sealing / liners	EPE / Wad / Induction liner / Inner plug (as required)
Quality checks	Leak test, neck gauge check, weight check, visual inspection; drop test (optional)
Packing	___pcs/carton; carton spec as required
MOQ	As per colour, mould and production planning



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3. Capacity Range and Bottle Families

Commonly supplied capacities and bottle families in the 50 ml to 1000 ml range.

Capacity band	Typical capacities (ml)	Common bottle families	Typical use cases
Small	50, 60, 80, 100	Round, Boston, oval, flat	Pharma samples, personal care, small chemicals
Medium	120, 150, 200, 250, 300	Round, oval, rectangular, flat	Pharma, household, personal care
Large	500, 750, 1000	Round heavy-duty, F-style, rectangular, handle	Agrochemicals, household, lubricants, industrial

Weight options:

- Lightweight (economy) - optimized resin usage for standard handling
- Standard - balanced rigidity and cost
- Heavy duty - higher wall thickness for stacking, drop resistance and demanding logistics



4. Neck Finishes and Closure Options

Neck finish	Commonly used with	Typical industries
20/410	Small screw cap, flip top	Pharma, personal care (small packs)
24/410	Screw cap, flip/disc top	Personal care, household, pharma
28/410	Screw cap, CRC cap, trigger (if 28/410)	Pharma, household, spray bottles
28 mm	Screw/TE cap	Agrochemical, industrial chemical
38 mm	Screw/TE cap, spout	Agrochemical, lubricants, household large packs
45 mm	TE/measuring/spout caps	Agrochemical, lubricants, industrial
46 mm	Agro/industrial caps (popular for 1 L)	Agrochemical, lubricants
53 mm	Wide-mouth screw cap (as applicable)	Industrial, specialty packs

Closure compatibility guide

Closure family	Highlights	Recommended where
Screw cap	General purpose; liner options available	All industries
CRC cap	Child-resistant option	Pharma/household safety requirements
Flip top / Disc top	Convenient dispensing	Personal care, household
Pump / Spray	Lotion pumps and sprayers (compatibility required)	Personal care, sanitizers
Trigger spray	For spray bottles (often 28/410)	Household cleaning
Spout cap	Controlled pouring	Lubricants, agrochemicals
Tamper evident (TE) cap	Visible tamper ring	Agrochemicals, industrial chemicals, pharma
Measuring cap	Dosing support	Agrochemicals



5. Industry-wise Product Range

The following sections summarize recommended shapes, sizes and closure options for each industry.

Pharma & Healthcare



Applications: Syrups, tablets, topical liquids, disinfectants, nutraceuticals (non-food).

Recommended bottle types

Boston round, Round (smooth), Oval, Flat/rectangular (label panel)

Popular capacities (ml)

50, 60, 100, 120, 150, 200, 250, 500, 1000

Typical neck finishes

20/410, 24/410, 28/410, 38 mm (for larger packs)

Closure options

Screw cap, CRC cap (child resistant), Flip top, Measuring cap, Tamper evident (TE) cap



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Key features

- Clean neck finish and consistent thread profile
- Smooth label panel for sticker/sleeve
- Optional induction seal / wad / EPE liner
- Leak tested before dispatch (as per packing SOP)

Note: Regulatory and migration compliance depends on resin, colour masterbatch, and customer requirements. Provide end-use and compliance needs during enquiry.

Personal Care & Cosmetics



Applications: Shampoo, lotion, hair oil, sanitizers, creams, gels (bottle formats).

Recommended bottle types

Oval (ergonomic), Round (premium shoulder), Slim/tall, Flat (travel packs)

Popular capacities (ml)

50, 80, 100, 150, 200, 250, 300, 500, 1000

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Typical neck finishes

24/410, 28/410

Closure options

Flip top, Disc top, Lotion pump, Spray pump, Screw cap

Key features

- Premium finish options: gloss/matte.
- Custom colours and masterbatch matching.
- Good label area for sleeve or wrap-around labels.
- Compatibility with pumps/sprayers based on neck standard.

Note: Pump/sprayer compatibility depends on neck finish and tolerance. Share closure make/model or sample for matching.

Agrochemicals



Applications: Pesticides, insecticides, herbicides, micronutrients, plant growth promoters.

Recommended bottle types

Heavy-duty round, F-style, Rectangular, 1 L handle bottle

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Popular capacities (ml)

50, 100, 250, 500, 750, 1000

Typical neck finishes

28 mm, 38 mm, 45 mm, 46 mm

Closure options

TE cap, Measuring cap, Spout cap, Inner plug + liner (as required)

Key features

- Heavy-duty wall thickness options for stacking & drop resistance
- Strong shoulder and stable base design
- Leak control using liner/plug options
- Suitable for bulk transport packing

Note: Chemical compatibility varies. Provide chemical name/grade and packing conditions for best material/liner recommendation.

Lubricants & Automotive



Applications: Engine oil, gear oil, additives, automotive chemicals (compatible types).

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Recommended bottle types

F-style (grip), Rectangular, 1 L handle bottle

Popular capacities (ml)

100, 250, 500, 1000

Typical neck finishes

38 mm, 45 mm, 46 mm

Closure options

Spout cap, TE cap, Pull-push cap, Screw cap with liner

Key features

- High strength designs for handling and pouring
- Spout compatibility (cap dependent)
- Reinforced shoulder/handle options
- Stable base for stacking

Note: Spout and cap selection depends on pour requirement and customer preference. Samples can be matched.

Household & Cleaning



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Applications: Floor cleaner, phenyl, surface cleaner, detergents, disinfectants.

Recommended bottle types

Round, Oval, Grip/ergonomic, Spray bottle (trigger compatible)

Popular capacities (ml)

100, 200, 250, 500, 750, 1000

Typical neck finishes

24/410, 28/410, 38 mm

Closure options

Trigger spray, Flip top, Disc cap, Screw cap

Key features

- Good label area for branding
- Chemical resistance grade HDPE (as applicable)
- Trigger compatibility based on 28/410 standard
- Leak tested packing options

Note: For trigger sprays, neck standard (e.g., 28/410) is critical. Share trigger specification for best fit.

Industrial Chemicals



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Applications: General-purpose chemicals (acids/alkalis as per compatibility), industrial liquids, solvents (HDPE-compatible).

Recommended bottle types

Heavy-duty round, Rectangular, F-style

Popular capacities (ml)

100, 250, 500, 1000

Typical neck finishes

28 mm, 38 mm, 45 mm, 53 mm

Closure options

TE cap, Screw cap with liner, Inner plug (as required)

Key features

- Heavy wall thickness option for higher safety margin
- Leak control using induction seal / liner / plug options
- Packing suitable for transport
- Option for colour coding by chemical category

Note: Always confirm chemical compatibility and sealing requirements before finalizing pack.

6. Quality, Packing and Ordering Information

Quality checks (typical)

- Dimensional checks: neck gauge and thread profile (as applicable)
- Weight check: batch-wise monitoring
- Leak test: method as per product and packing requirement
- Visual inspection: flash, deformity, colour consistency

Packing

- Standard packing: poly bag + corrugated cartons (pcs/carton depends on size)
- Optional: carton separators, stretch wrap, palletization
- Labelling: carton labels with size, colour, batch/lot details (as agreed)

Ordering workflow

- Share requirement using the enquiry template on the next page
- If you have an existing sample bottle/cap, share photos or send sample for matching
- For new designs, custom mould development can be planned with drawings and sample approvals

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7. Enquiry Template

Copy and fill the below template to receive quotation and sample confirmation.

Field	Details
Company / Buyer name	_____
Contact person	_____
Phone / WhatsApp	_____
Email	_____
Industry	Pharma / Personal Care / Agrochemical / Lubricants / Household / Industrial Chemical
Bottle requirement	Capacity: ___ml Shape: _ Neck: __
Closure requirement	Type: ___ Liner/Seal: _ TE required: Yes/No
Colour & finish	Natural/White/Custom: _ Gloss/Matte: _
Branding	Label / Screen print / Sleeve / None
Quantity	Trial: ___pcs Monthly/Regular: ___pcs
Delivery location	City/State: _____
Any special notes	Chemical name/grade (if applicable), drop test requirement, packing requirement, etc.

Contact: Please use gatlaplastics.com contact page or WhatsApp/phone for fastest response.

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