LAKSHAY PROPACK

PREMIUM PACKAGING SOLUTIONS

PET/HDPE Bottle, & Capsule Catalogue

A comprehensive reference for packaging engineers and product designers evaluating PET bottle and capsule specifications. This catalogue covers 14 SKUs across five volume families — from 100 ml compacts to 5-liter bulk containers — with standardized 46 mm neck finishes and documented empty-weight and dimensional data for each variant.

PACKAGING SPECIFICATIONS | 14 PRODUCTS | 100 ML – 5 LTR

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Catalogue at a Glance

Fourteen SKUs are organized into five volume families. The 46 mm neck finish is standard across the range, with two cylindrical exceptions (1200 ml and 600 ml) that use narrower 46 mm × 26 cm and 25 mm × 24 cm profiles respectively. Empty weights range from 20 gm to 160 gm depending on volume and wall thickness requirements.

14

Total Products

SKUs catalogued

5

Volume Families

100 ml to 5 Ltr

46mm

Standard Neck

Across most SKUs

160gm

Max Empty Weight

3 Ltr variant

Volume	Neck / Dimensions	Empty Weight	Products
100 ml	46 mm	20 gm / 22 gm	2 SKUs
250 ml	46 mm	22 gm / 27 gm	2 SKUs
500 ml	46 mm	46 gm	2 SKUs
600 ml	25 mm × 24 cm	70 gm	1 SKU
1 Ltr	46 mm / 46 mm × 25 cm	65 gm / 140 gm	3 SKUs
1200 ml	46 mm × 26 cm	90 / 100 / 120 gm	1 SKU
2 Ltr	46 mm × 25 cm	120 gm	1 SKU
3 Ltr	65 mm	130 gm / 160 gm	1 SKU
5 Ltr	46 mm × 34 cm	140 gm	1 SKU

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VOLUME FAMILY: 100 ML

100 ml — Compact Bottles

Two compact SKUs share the 46 mm neck finish with volumes of 100 ml. The capsule variant weighs 20 gm while the bottle variant weighs 22 gm. Both are suited for single-serve beverages, condiments, and pharmaceutical liquids or capsules and herbal medicine solutions where shelf-space efficiency and low material cost are priorities.



100 ml Capsule

- **Neck:** 46 mm capsules
- **Empty Weight:** 20 gm
- **Volume:** 100 ml



100 ml Bottle

- **Neck:** 46 mm
- **Empty Weight:** 22 gm
- **Volume:** 100 ml

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VOLUME FAMILY: 250 ML

250 ml — Standard Bottles

Two 250 ml SKUs with 46 mm neck finishes serve mid-size single-serve and multi-serve applications. The first variant weighs 22 gm and the second weighs 27 gm, reflecting differences in wall thickness and structural design. Both are compatible with standard 46 mm closures and capping equipment.



250 ml — Variant A

- **Neck:** 46 mm
- **Empty Weight:** 22 gm
- **Volume:** 250 ml



250 ml — Variant B

- **Neck:** 46 mm
- **Empty Weight:** 27 gm
- **Volume:** 250 ml

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VOLUME FAMILY: 500 ML

500 ml — Mid-Size Bottles

Two 500 ml SKUs share identical specifications — 46 mm neck finish and 46 gm empty weight — while differing in overall bottle profile and height. Both are well-suited for beverages, liquid detergents, household products and pesticides/insecticides requiring a balance of fill volume, shelf presence, and material efficiency.



500 ml — Variant A

- **Neck:** 46 mm
- **Empty Weight:** 46 gm
- **Volume:** 500 ml



500 ml — Variant B

- **Neck:** 46 mm
- **Empty Weight:** 46 gm
- **Volume:** 500 ml

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VOLUME FAMILY: 1 LTR

1 Ltr — Large Bottles

Three SKUs cover the 1-liter segment with two distinct form factors. Two variants use the standard 46 mm neck finish at 65 gm and 140 gm empty weights, while a third cylindrical variant (46 mm × 25 cm) weighs 65 gm. Applications include cooking oil, juices, cleaning agents,bulk liquid packaging and pesticide/insecticide sprayer.



1 Ltr — 140 gm

- **Neck:** 46 mm
- **Empty Weight:** 140 gm
- **Volume:** 1 Ltr



1 Ltr — 65 gm

- **Neck:** 46 mm
- **Empty Weight:** 65 gm
- **Volume:** 1 Ltr



1 Ltr Cylindrical

- **Dimensions:** 46 mm × 25 cm
- **Empty Weight:** 65 gm
- **Volume:** 1 Ltr

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VOLUME FAMILY: 1200 ML

1200 ml — Cylindrical Bottle

A cylindrical SKU with a 46 mm profile and 1200 ml capacity. This variant is available in three empty-weight options — 90 gm, 100 gm, and 120 gm — allowing engineers to select the appropriate wall thickness based on product density, stacking requirements, and transport conditions.



A high-efficiency 1200ml translucent manual compression sprayer designed for consistent fluid delivery across agricultural, commercial, and maintenance applications.

Core Features

- **Fluid Monitoring:** Molded volume gradients (ml / oz) on a see-through body for precise mixing.
- **Rapid Pressurization:** Top-mounted plunger builds pressure in few strokes.
- **Ergonomic Design:** Pistol-style grip with a thumb-operated trigger for reduced hand fatigue.
- **Stable Footing:** Multi-point molded bottom base prevents tipping on uneven surfaces.

Applications

- Agrochemicals, liquid fertilizers, and pesticide spraying
- Commercial sanitization, disinfection, and detailing fluids
- Horticultural misting, plant care, and greenhouse watering

Dimensions	Volume	Weight Options
46 mm × 26 cm (d × h)	1200 ml	90 gm / 100 gm / 120 gm

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VOLUME FAMILY: 2 LTR

2 Ltr — Cylindrical Bottle

A 2-liter cylindrical SKU with a 46 mm × 25 cm profile and 120 gm empty weight. The compact height-to-diameter ratio provides stable stacking for warehouse and retail environments. Suitable for bulk beverages, cooking oil, liquid detergents, and industrial liquids requiring high fill volumes with standard 46 mm closure compatibility.



Specifications

- **Dimensions:** 46 mm × 25 cm (d × h)
- **Empty Weight:** 120 gm
- **Volume:** 2 Ltr
- **Neck Finish:** 46 mm

Typical Applications

- Bulk beverages and juices
- Cooking oil and edible liquids
- Liquid detergents and cleaners
- Industrial and chemical liquids

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VOLUME FAMILY: 3 LTR & 5 LTR

3 Ltr & 5 Ltr — Bulk Containers

The largest SKUs in the catalogue serve high-volume packaging needs. The 3-liter bottle features a wide 65 mm neck — the only SKU in the range with a non-46 mm finish — facilitating easy filling and dispensing of viscous products. The 5-liter cylindrical container (46 mm × 34 cm) uses a standard 46 mm neck with a 140 gm body weight for structural integrity at maximum capacity.



3 Ltr — Wide Neck

- **Neck:** 65 mm
- **Empty Weight:** 130 gm or 160 gm
- **Volume:** 3 Ltr



5 Ltr — Cylindrical

- **Dimensions:** 46 mm × 34 cm
- **Empty Weight:** 140 gm
- **Volume:** 5 Ltr

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Full Specification Summary

Complete reference table for all 14 SKUs. Use this summary for quick cross-SKU comparison of dimensions, empty weight, and volume.

Image Ref.	Dimensions (d × h)	Empty Weight	Volume
250 ml — A	46 mm	22 gm	250 ml
100 ml Capsule	46 mm capsules	20 gm	100 ml
500 ml — A	46 mm	46 gm	500 ml
500 ml — B	46 mm	46 gm	500 ml
100 ml Bottle	46 mm	22 gm	100 ml
3 Ltr	65 mm	130 gm or 160 gm	3 Ltr
250 ml — B	46 mm	27 gm	250 ml
1 Ltr — 140 gm	46 mm	140 gm	1 Ltr
1 Ltr — 65 gm	46 mm	65 gm	1 Ltr
5 Ltr	46 mm × 34 cm	140 gm	5 Ltr
1200 ml	46 mm × 26 cm	90 gm / 100 gm / 120 gm	1200 ml
600 ml	25 mm × 24 cm	70 gm	600 ml
1 Ltr Cyl.	46 mm × 25 cm	65 gm	1 Ltr
2 Ltr	46 mm × 25 cm	120 gm	2 Ltr

All neck finishes are 46 mm unless noted. The 3 Ltr SKU uses a 65 mm wide neck. Cylindrical SKUs list combined diameter × height dimensions. Weight values reflect empty bottle weight; filled weight will vary by product density.

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We're here to help with your packaging needs.

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