Pristius PACK LLP

PRODUCT CATALOGUE
2026 · EDITION 3

Clean HDPE packaging for chemicals that cannot tolerate contamination.

Multilayer bottles, jerricans and closures for high-purity acids, reagents, photoresists, APIs and agrochemicals. ISO 9001 and UN-certified, moulded in Vadodara, supplied worldwide.



ISO 9001:2015
URS · NABCB

UN 3H1
7 design-type certificates

250 mL – 5 L
three ChemVault series

14 colours
one SKU per colour

www.pristiuspack.com

A moulding plant built around one rule: nothing in the wall should reach the product.

Pristius Pack LLP is an ISO 9001:2015-certified manufacturer and exporter of blow-moulded and injection-moulded HDPE packaging, founded in 2022 by a team with two decades in plastics moulding.

We make bottles, jerricans and closures for fine and speciality chemicals, high-purity acids and reagents, pharmaceuticals, agrochemicals, paints and tool industries, from 100 mL to 10 L, on a plant at Por, Vadodara, that runs around the clock.

Every container is co-extruded: strength, UV and colour additives sit in the outer layer, and the layer that touches the product is virgin HDPE with none of them.

2022
Founded · 20 years' moulding experience behind it

150 t
Moulding capacity per month

24 × 7
Continuous operation, 365 days

3 series
ChemVault Titan, Euro and Classic · 14 sizes

INDUSTRIES WE PACK FOR

- High-purity acids & reagents
- Electronic chemicals & photoresists
- Fine & speciality chemicals
- Pharma APIs & intermediates
- Cosmetic & food additives
- Agrochemicals & pesticides
- Paints & coatings
- Tools & engineering

CHEMICAL GRADES OUR PACKS ARE SPECIFIED FOR

- Guaranteed reagent (GR / ACS)
- Analytical reagent (AR)
- HPLC and spectroscopy grade
- Electronic / semiconductor grade
- Pharma (IP / BP / USP) grade
- Technical and industrial grade



India · Plant and head office

Plot 63, Por Ramangamdi Industrial Estate
Por, Vadodara, Gujarat 391243, India

United Kingdom · Sales office

144–146 King's Cross Road
London WC1X 9DU, United Kingdom

Certified

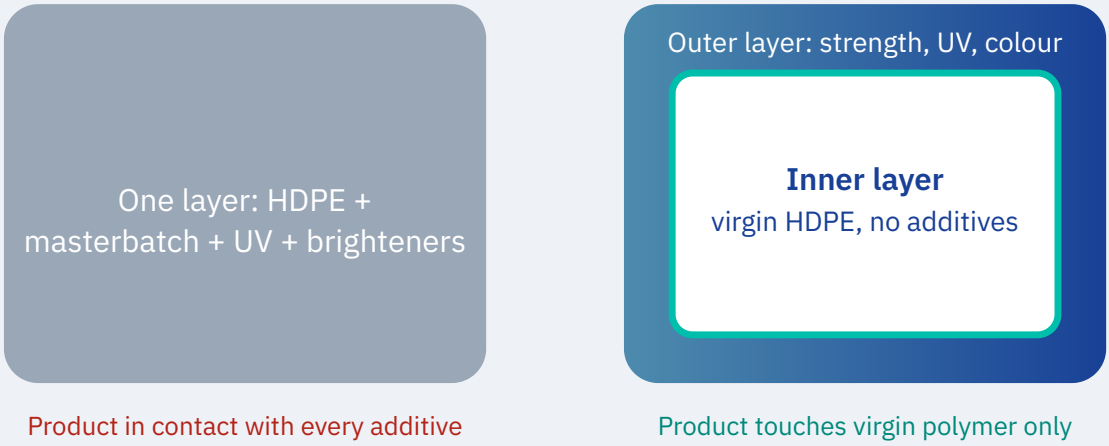
ISO 9001:2015 quality management (URS, NABCB-accredited) · seven UN design-type certificates from the Indian Institute of Packaging · food-contact resin statements per lot.

One numbering system

Every bottle and closure in this catalogue has a 9-digit numeric SKU that encodes size, series, colour and wall weight. The same number appears on our datasheet, your order confirmation and the carton label.

The product never meets an additive.

A conventional HDPE bottle is one layer, so the masterbatch, UV stabiliser and brighteners that give it strength and appearance also sit against the chemical inside. Pristius bottles are co-extruded from two melt streams: the additives stay in the outer wall and the contact wall is virgin HDPE, the same clean-bottle construction the photoresist and electronic-chemical industry moved to when it left glass.



Barrier wall

The multilayer wall limits solvent loss through the bottle and keeps outside contamination out, so the product stays within specification through shelf life.

Light shielding

Midnight Onyx grade blocks UV and visible light for photoresists, photoinitiators and other light-sensitive chemistry, with the opaque layer kept out of the contact surface.

Nothing to leach, little to shed

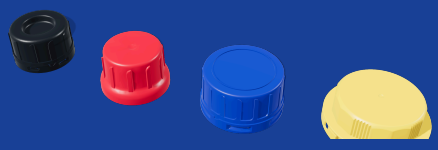
No additives in the contact layer to migrate into acids, solvents or reagents; low particle shedding compared with single-layer bottles and no chipping at the neck as with glass.

Safer than glass

A 2.5 L bottle weighs 210 g against about a kilogram of glass, does not shatter when dropped, and ships as UN-approved 3H1 packaging without a glass-bottle overpack.

Designed in-house, from resin to closure

Moulds are developed to our own drawings, so a bottle can be tuned for your filling line, label panel or carton. Closed automatic resin feeding keeps the polymer untouched between bag and extruder. Caps are injection-moulded on site, so bottle, seal and tamper-evident ring are a matched pair, and the closure named in the UN certificate is the one you receive.



Three series, three neck standards, one numbering system.



LIQUID SERIES · GL 45 NECK · UN 3H1

ChemVault Titan

Narrow-neck bottles and jerricans for acids, solvents and high-purity reagents.

Sizes	500 mL · 1 L · 2.5 L · 5 L
Neck	GL 45 thread, Ø45 mm · neck ID 28.7 mm
Closures	GL 45 screw cap · GL 45 bell cap
SKU series	**1·SS·33·CC·VV**



POWDER SERIES · GL 63 NECK · EUROPEAN REAGENT FORMAT

ChemVault Euro

Wide-neck square bottles for powders and granules, in the format European reagent brands specify.

Sizes	250 mL · 550 g · 750 g · 1100 g · 1600 g · 2000 g
Neck	GL 63 thread · neck ID 50 mm
Closures	GL 63 cap
SKU series	**1·SS·12·CC·VV**



POWDER SERIES · 60 MM NECK · INDIAN AND ASIAN REAGENT FORMAT

ChemVault Classic

Wide-mouth powder bottles on the 60 mm neck used across the Indian and South-East Asian reagent trade.

Sizes	250 mL · 550 g · 750 g · 1100 g
Neck	60 mm thread, Ø59.8 mm · neck ID 49.6 mm
Closures	Powder cap, 60 mm
SKU series	**1·SS·11·CC·VV**

READING A PRISTIUS SKU

1 05 33 03 00

1	Container (2 = closure)
05	Size: 02 250 mL · 05 500 mL / 550 g · 07 750 g · 10 1 L · 11 1100 g · 16 1600 g · 20 2000 g · 25 2.5 L · 50 5 L
33	Series: 11 ChemVault Classic · 12 ChemVault Euro · 33 ChemVault Titan
03	Colour code from the colour library (page 12): 03 = Reagent Blue
00	Wall weight: 00 = standard wall per datasheet; heavy-wall variants carry grams ÷ 5

Numeric only, no letters or hyphens; prints as Code 128 on bottle, carton and pallet labels. A batch number is the SKU plus a four-digit sequence.

ALSO IN THE RANGE

100 mL GL 45 bottle	Sample and pack sizes; natural and milky white
3 L can, D38 neck	With D38 plug and cap; 155 g
10 L jerrican	Stackable, integral handle
Closures for reagent glass bottles	28 mm collar plugs in LLDPE, PP and PVDF; glass-bottle caps with aluminium or EPE wad, logo on top; D38 caps
Customer designs in production	Fourteen customer moulds from 500 mL to 1 L, built in-house and exclusive to each customer

Datasheets with SKUs for these items are available from sales.

Six things you get from a Pristius pack as standard.

01

Clean contact layer

Virgin HDPE, no masterbatch, UV or brightener, touches the product. Closed automatic resin feeding; zero regrind in the contact layer.

02

UN design-type certified

Seven certificates from the Indian Institute of Packaging under DG Shipping; every Titan size and three Euro sizes ship as UN 3H1 without an overpack.

03

Matched bottle and closure

Caps are injection-moulded on site to our own neck drawings, so the tamper-evident band breaks cleanly and the seal seats every time.

04

One numbering system

A 9-digit SKU encodes size, series, colour and wall weight. Quotation, order, label and certificate all carry the same number.

05

Checked every shift

Online leak test on every bottle; weight every 30 minutes; drop and wall-thickness tests every shift; results on the lot certificate.

06

Your mould, your mark

Fourteen customer designs already run on our lines. Logos go in the cap-top insert, embossing in the blow mould, exclusive to you.

CATALOGUES & DOCUMENTS

DOCUMENT	CONTENTS	FORMAT
Product catalogue 2026	Full ChemVault range with dimensions, weights, pallet data, UN marks and SKUs. 16 pages, A4.	PDF
Usage instructions · bottles, jerricans and closures	Storage, filling, closing, re-use and transport guidance for Pristius HDPE packaging.	PDF
SKU list	All 552 bottle and closure SKUs with size, colour code, dimensions and HS code.	CSV
Closure torque recommendation	Application and removal torque per closure and seal type, issued with samples.	On request
UN design-type certificates and IIP test reports	Seven certificates, with the test reports behind them.	On request
ISO 9001:2015 certificate	URS Certification, NABCB-accredited, valid to 9 June 2029.	On request
Resin food-contact and REACH / RoHS declarations	Per resin grade; FDA 21 CFR 177.1520, EU 10/2011, REACH SVHC, RoHS.	On request
3D CAD data (STEP)	Bottle and closure models for your line and artwork layout, under NDA.	On request

Documents marked *on request* are issued per customer by sales within one working day. All downloads at www.pristiuspack.com/downloads.

Product finder

Filter by type, neck, size, seal and feature; pick a colour and read the SKU. Also the 3D colour studio and all downloads.

Safety first: for the product, the people who handle it and the environment.

Every closure is assembled and checked on site; every dangerous-goods pack is tested as the complete bottle–closure–seal combination named in its UN certificate; every container is mono-material HDPE or PP, marked for recycling, with no heavy-metal pigments.



Every ChemVault product on one page.

Line – type – code, as it appears on quotations and labels. Replace **CC** with the two-digit colour code (page 11) and the final **00** with the wall-weight code for heavy-wall variants. Dimensions in mm, nominal, ±2–3 % moulding shrinkage; weights in g.

PRODUCT	SKU PATTERN	NECK	MATERIAL	DIMENSIONS	WEIGHT	PER PALLET	SEALING · FEATURES
ChemVault Titan – 500 mL Bottle	10533·CC·00	GL 45	HDPE co-ex	75.1 × 75.1 × 168.9	55 · 65 · 70	3,038	UN 3H1 · square, stackable
ChemVault Titan – 1 L Bottle	11033·CC·00	GL 45	HDPE co-ex	95 × 95 × 213	110 · 130	1,375	UN 3H1 · square, stackable
ChemVault Titan – 2.5 L Jerrican	12533·CC·00	GL 45	HDPE co-ex	140.5 × 140.5 × 292.9	210 · 265	576	UN 3H1 · integral handle · square, stackable
ChemVault Titan – 5 L Jerrican	15033·CC·00	GL 45	HDPE co-ex	166 × 166 × 331	310 · 365	294	UN 3H1 · integral handle · square, stackable
ChemVault Titan – GL 45 screw cap	24501·CC·00	GL 45	PP	Ø52.6 × 32 mm	12.5 g	12,000	PTFE wad on PE foam · Tamper-evident band · PTFE wad
ChemVault Titan – GL 45 bell cap	24503·CC·00	GL 45	PP + LLDPE ring, HDPE plug	Ø59.3 × 37.4 mm	24 g	8,400	PTFE wad + HDPE plug · Tamper-evident ring · Integral plug
ChemVault Euro – 250 mL Bottle	10212·CC·00	GL 63	HDPE co-ex	74.7 × 74.7 × 104	45	–	square, stackable
ChemVault Euro – 550 g Bottle	10512·CC·00	GL 63	HDPE co-ex	74.7 × 74.7 × 167.4	65	2,912	UN 3H1 · square, stackable
ChemVault Euro – 750 g Bottle	10712·CC·00	GL 63	HDPE co-ex	96 × 96 × 179	75 · 100	1,560	UN 3H1 · square, stackable
ChemVault Euro – 1100 g Bottle	11112·CC·00	GL 63	HDPE co-ex	96 × 96 × 211.1	85 · 95	1,320	UN 3H1 · square, stackable
ChemVault Euro – 1600 g Bottle	11612·CC·00	GL 63	HDPE co-ex	104 × 104 × 227	on datasheet	–	square, stackable
ChemVault Euro – 2000 g Bottle	12012·CC·00	GL 63	HDPE co-ex	112 × 112 × 245	on datasheet	–	square, stackable
ChemVault Euro – GL 63 cap	26311·CC·00	GL 63	PP	Ø68 × 37.1 mm	–	–	EPE wad, inner lip or PTFE wad · Tamper-evident band · EPE wad
ChemVault Classic – 250 mL Jar	10211·CC·00	60 mm	HDPE co-ex	75 × 75 × 95	on datasheet	–	square, stackable
ChemVault Classic – 550 g Bottle	10511·CC·00	60 mm	HDPE co-ex	81.8 × 81.8 × 132.6	65	2,520	square, stackable
ChemVault Classic – 750 g Bottle	10711·CC·00	60 mm	HDPE co-ex	90.5 × 90.5 × 141.7	75	1,859	square, stackable
ChemVault Classic – 1100 g Bottle	11111·CC·00	60 mm	HDPE co-ex	92 × 92 × 177.5	85	1,573	square, stackable
ChemVault Classic – Powder cap, 60 mm	25001·CC·00	60 mm	PP	Ø79.7 × 28 mm	–	–	EPE wad or separate PE plug · Deep skirt · EPE wad

Also available with datasheets on request: 100 mL GL 45 bottle · 3 L can with D38 neck · 10 L jerrican · closures and collar plugs for reagent glass bottles · fourteen customer designs in production (exclusive to each customer).

ChemVault Titan

The liquid range: square bodies for carton efficiency, an integral handle on 2.5 L and 5 L, and a UN 3H1 design-type certificate at every size. Each size is made in a standard and a heavy wall.

UN 3H1/X · PG I–III | 250 kPa hydraulic test | SG up to 1.9 (2.5 on 5 L) | Stackable square body | Integral handle 2.5 L and 5 L | Dust cover fitted

APPLICATIONS

- High-purity and electronic-grade acids: HCl, HNO_3, H_2SO_4, HF, H_3PO_4
- Hydrogen peroxide and ammonia solutions (vented cap)
- Solvents for analysis and photoresist strippers
- Guaranteed-reagent and analytical-grade liquids
- Buffers, standards and certified reference solutions
- Agrochemical and speciality-chemical concentrates



500 mL



1 L



2.5 L



5 L

NOMINAL	SHAPE	W × D × H (MM)	WALL WEIGHTS (G)	PER PALLET	UN MARK
500 mL	Square bottle	75.1 × 75.1 × 168.9	55 · 65 · 70	3038	3H1/X 1.9/250/** IND/A/43300142
1 L	Square bottle	95 × 95 × 213	110 · 130	1375	3H1/X 1.9/250/** IND/A/43300143
2.5 L	Square jerrican, integral handle	140.5 × 140.5 × 292.9	210 · 265	576	3H1/X 1.9/250/** IND/A/43300138
5 L	Square jerrican, integral handle	166 × 166 × 331	310 · 365	294	3H1/X 2.5/250/** IND/A/43301021

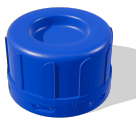
Dimensions are nominal, measured on the current moulds; body and closure dimensions vary by ±2–3 % with HDPE moulding shrinkage. Height is without closure. Neck finish held to the neck drawing. Pallet quantities on 1200 × 1000 mm. ** = year of manufacture, printed by the filler.

SKU BY SIZE AND COLOUR · STANDARD WALL

SIZE	NATURAL FROST	PURE LAB WHITE	MIDNIGHT ONYX	OTHER COLOURS
500 mL	105330000	105330100	105330200	10533CC00
1 L	110330000	110330100	110330200	11033CC00
2.5 L	125330000	125330100	125330200	12533CC00
5 L	150330000	150330100	150330200	15033CC00

Natural Frost, Pure Lab White and Midnight Onyx are stock colours. For any of the other eleven library colours put its two-digit code in the CC position; minimum order quantities apply.

CLOSURES FOR THIS SERIES



GL 45 screw cap
Ø52.6 × 32 mm · PTFE wad on PE foam
SKU 24501CC00



GL 45 bell cap
Ø59.3 × 37.4 mm · PTFE wad + HDPE plug
SKU 24503CC00

Caps in all 14 library colours and 75 numbered shades (page 11). Neck: GL 45 thread, Ø45 mm · neck ID 28.7 mm.

ChemVault Euro

Six sizes from 250 mL to 2000 g on one GL 63 neck, so one closure, one wad and one capping setting cover the range. The 550, 750 and 1100 sizes carry UN design-type certificates for solids.

UN 3H1/X solids on 550 · 750 · 1100 | GL 63 Euro neck | One cap across six sizes | Square body, carton-efficient | Label panel on all four faces | Tamper-evident PP closure

APPLICATIONS

- Guaranteed-reagent and analytical-grade salts and powders
- Pharma APIs, intermediates and excipients
- Catalysts, pigments and fine-chemical granules
- Hygroscopic products with a PTFE or inner-lip seal
- Biochemicals and culture media (inner-lip cap)
- Food and cosmetic additives


250 mL


550 g


750 g


1100 g


1600 g


2000 g

NOMINAL	SHAPE	W × D × H (MM)	WALL WEIGHTS (G)	PER PALLET	UN MARK
250 mL	Square bottle	74.7 × 74.7 × 104	45	–	–
550 g	Square bottle	74.7 × 74.7 × 167.4	65	2912	3H1/X 2/S/** IND/A/43301022
750 g	Square bottle	96 × 96 × 179	75 · 100	1560	3H1/X 2.5/S/** IND/A/43301023
1100 g	Square bottle	96 × 96 × 211.1	85 · 95	1320	3H1/X 2.5/S/** IND/A/43301020
1600 g	Square bottle	104 × 104 × 227	on datasheet	–	–
2000 g	Square bottle	112 × 112 × 245	on datasheet	–	–

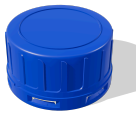
Dimensions are nominal, measured on the current moulds; body and closure dimensions vary by ±2–3 % with HDPE moulding shrinkage. Height is without closure. Neck finish held to the neck drawing. Pallet quantities on 1200 × 1000 mm. ** = year of manufacture, printed by the filler.

SKU BY SIZE AND COLOUR · STANDARD WALL

SIZE	NATURAL FROST	PURE LAB WHITE	MIDNIGHT ONYX	OTHER COLOURS
250 mL	102120000	102120100	102120200	10212CC00
550 g	105120000	105120100	105120200	10512CC00
750 g	107120000	107120100	107120200	10712CC00
1100 g	111120000	111120100	111120200	11112CC00
1600 g	116120000	116120100	116120200	11612CC00
2000 g	120120000	120120100	120120200	12012CC00

Natural Frost, Pure Lab White and Midnight Onyx are stock colours. For any of the other eleven library colours, put its two-digit code in the CC position; minimum order quantities apply.

CLOSURES FOR THIS SERIES



GL 63 cap
Ø68 × 37.1 mm · EPE wad, inner lip or PTFE wad
SKU 26311CC00

Caps in all 14 library colours and 75 numbered shades (page 11). Neck: GL 63 thread · neck ID 50 mm.

ChemVault Classic

A wide-mouth jar and three square bottles on one 60 mm neck, closed with a deep-skirt powder cap. The format most Indian reagent and fine-chemical brands already run on their filling lines.

60 mm wide neck · Deep-skirt powder cap · Plug-and-cap option · Square body, carton-efficient · Runs on existing Indian filling lines · Tamper-evident PP closure

APPLICATIONS

- Laboratory reagent salts and powders for the Indian and South-East Asian trade
- Fine chemicals and pharma intermediates
- Dyes, pigments and speciality powders
- Pastes and viscous products through the 60 mm mouth
- Catalysts and metal salts
- Products filled on existing 60 mm capping lines



250 mL



550 g



750 g



1100 g

NOMINAL	SHAPE	W × D × H (MM)	WALL WEIGHTS (G)	PER PALLET	UN MARK
250 mL	Wide-mouth square jar	75 × 75 × 95	on datasheet	—	–
550 g	Square bottle	81.8 × 81.8 × 132.6	65	2520	–
750 g	Square bottle	90.5 × 90.5 × 141.7	75	1859	–
1100 g	Square bottle	92 × 92 × 177.5	85	1573	–

Dimensions are nominal, measured on the current moulds; body and closure dimensions vary by ±2–3 % with HDPE moulding shrinkage. Height is without closure. Neck finish held to the neck drawing. Pallet quantities on 1200 × 1000 mm. ** = year of manufacture, printed by the filler.

SKU BY SIZE AND COLOUR · STANDARD WALL

SIZE	NATURAL FROST	PURE LAB WHITE	MIDNIGHT ONYX	OTHER COLOURS
250 mL	102110000	102110100	102110200	10211CC00
550 g	105110000	105110100	105110200	10511CC00
750 g	107110000	107110100	107110200	10711CC00
1100 g	111110000	111110100	111110200	11111CC00

Natural Frost, Pure Lab White and Midnight Onyx are stock colours. For any of the other eleven library colours put its two-digit code in the CC position; minimum order quantities apply.

CLOSURES FOR THIS SERIES



Powder cap, 60 mm
Ø79.7 × 28 mm · EPE wad or separate PE plug
SKU 25001CC00

Caps in all 14 library colours and 75 numbered shades (page 11). Neck: 60 mm thread, Ø59.8 mm · neck ID 49.6 mm.

Four closures, three necks, every colour in the library.

All closures are PP, moulded on site to match our own necks, so the tamper-evident band breaks cleanly and the closure named in the UN certificate is the one on your bottle. Any cap can carry your logo engraved in the cap-top insert of the mould.



CHEMVAULT TITAN

GL 45 screw cap

PP screw cap with tamper-evident band. Standard closure for acids, oxidisers and solvents.

Ø52.6 × 32 mm · seal: PTFE wad on PE foam

24501·CC·00



CHEMVAULT TITAN

GL 45 bell cap

Bell-type cap with in-built plug and LLDPE tamper-evident ring; vented and flat versions on request.

Ø59.3 × 37.4 mm · seal: PTFE wad + HDPE plug

24503·CC·00



CHEMVAULT EURO

GL 63 cap

PP screw cap with tamper-evident band. Wadless inner-lip version for powders where no liner may touch the product.

Ø68 × 37.1 mm · seal: EPE wad, inner lip or PTFE wad

26311·CC·00



CHEMVAULT CLASSIC

Powder cap, 60 mm

Deep-skirt PP cap for the 60 mm neck; plug-and-cap version for products that must not touch the wad.

Ø79.7 × 28 mm · seal: EPE wad or separate PE plug

25001·CC·00

CLOSURE SKU BY COLOUR · LOGO POSITION 00 = PLAIN

COLOUR	CODE	GL 45 SCREW CAP	GL 45 BELL CAP	GL 63 CAP	POWDER CAP, 60 MM
Natural Frost	00	245010000	245030000	263110000	250010000
Pure Lab White	01	245010100	245030100	263110100	250010100
Midnight Onyx	02	245010200	245030200	263110200	250010200
Reagent Blue	03	245010300	245030300	263110300	250010300
Ruby Red	04	245010400	245030400	263110400	250010400
Fern Green	05	245010500	245030500	263110500	250010500
Saffron Gold	07	245010700	245030700	263110700	250010700
Lagoon Blue	08	245010800	245030800	263110800	250010800
Tangerine Flare	10	245011000	245031000	263111000	250011000
Ivory Chalk	11	245011100	245031100	263111100	250011100
Steel Mist	12	245011200	245031200	263111200	250011200
Amber Shield	13	245011300	245031300	263111300	250011300
Garnet	14	245011400	245031400	263111400	250011400
Forest Deep	15	245011500	245031500	263111500	250011500

Standard caps pack 12,000 per pallet, bell-type 8,400. HS code 3923 5010. Vented, flat-top and wadless inner-lip versions of each cap take their own type code; ask for the closure datasheet. Last two digits: 00 plain, otherwise your logo code.

Which closure fits which neck, and which seal suits the fill.

CLOSURE × NECK

CLOSURE	GL 45 Titan	GL 63 Euro	60 MM Classic
Standard screw cap, PTFE wad	•	–	–
Bell-type cap, plug + TE ring	•	–	–
Vented (degassing) cap	•	–	–
Cap with EPE / PE-foam wad	•	•	•
Cap with inner lip (wadless)	–	•	–
Cap + separate seal plug	•	–	•
Dust cover (fitted before despatch)	•	•	•
Logo on cap top	•	•	•

• in production · – not offered on this neck. Child-resistant versions on request; child resistance is certified on the complete pack, not the cap alone.

CHOOSING THE SEAL

SEAL	CONTACT MATERIAL	BEST FOR	AVOID FOR
PTFE wad	PTFE face on PE foam	Acids, oxidisers, solvents, high-purity reagents, anything that must not see polyolefin	—
HDPE / LDPE plug	Polyethylene	Powders, granules, aqueous and general chemicals; second barrier under a cap	Aromatic and chlorinated solvents
EPE / PE-foam wad	Expanded polyethylene	Dry products, salts, non-aggressive liquids; lowest cost	Oxidising acids, solvents
Inner lip (wadless)	PP cap only	Powders where no liner material may contact the product	Liquids, air-sensitive fills
Vented membrane	PTFE wad + vent	Gassing fills: peroxides, hypochlorite, fermenting or outgassing products	Fills stored on their side; needs head space
PVDF collar plug	PVDF	Xylene, toluene, MSA, benzyl chloride, chloroform, acetic acid in glass	Acetone, DCM, ethyl acetate, hot benzene

Tamper evidence

The TE ring only breaks cleanly on a neck moulded for it. Use Pristius bottles and closures as a matched pair, and the closure named in the UN certificate.

Application torque

Caps seal at the torque stated on the datasheet; under-torqued caps leak, over-torqued caps crush the wad. We supply torque values and a closure wrench on request.

Compatibility

Chemical compatibility of bottle, seal and product is confirmed by the filler on their own product. We provide samples, resin data and cut sections to make that test easy.

CAP SHADE CARD · SHADE 16 TO SHADE 90



Beyond the 14 library colours, closures are available in 75 numbered shades from warm yellows through blues, teals and greens to greys. The shade number is the colour code in the SKU, so a GL 45 screw cap in Shade 47 is **245014700**. The full shade card is on www.pristiuspack.com and in the colour studio, where any shade can be previewed on any bottle in 3D.

Your colours, your mark, your mould.



COLOUR LIBRARY · MASTERBATCH IN THE OUTER LAYER ONLY

00 · Natural Frost
translucent · level visible

01 · Pure Lab White
opaque, label-friendly

02 · Midnight Onyx
UV and light shielding

03 · Reagent Blue
closures and bottles by order quantity

04 · Ruby Red
closures and bottles by order quantity

05 · Fern Green
closures and bottles by order quantity

07 · Saffron Gold
closures and bottles by order quantity

08 · Lagoon Blue
closures and bottles by order quantity

10 · Tangerine Flare
closures and bottles by order quantity

11 · Ivory Chalk
closures and bottles by order quantity

12 · Steel Mist
closures and bottles by order quantity

13 · Amber Shield
closures and bottles by order quantity

14 · Garnet
closures and bottles by order quantity

15 · Forest Deep
closures and bottles by order quantity

Swatches are indicative; each colour is held to a physical master plaque. The two-digit code is positions 6–7 of the SKU. Natural Frost is the only translucent colour; every other colour, Amber Shield included, is opaque. Bottles in Natural Frost, Pure Lab White and Midnight Onyx are stock; other colours by order quantity.

Logo on the cap

Your mark engraved in the cap-top insert of the injection mould, in production today for several reagent brands on GL 45, GL 63 and glass-bottle caps. No printing, so nothing to wear off.

Embossed bottle

Brand name, capacity graduations or a recycling mark embossed in the blow mould. Label panels sized to your artwork on request.

Your own shape

Fourteen customer designs already run on our lines, from a 500 mL to a 1 L. Moulds are built in-house to your drawing and remain exclusive to you.



Private label programmes

For distributors and reagent brands we run the complete pack as one item: bottle, closure in your colour, dust cover, carton and pallet, under one SKU and one certificate set, so your purchasing sees a single line and your warehouse scans one barcode.

See it before you order

The Pristius colour studio on our website shows every bottle in every colour and closure combination in 3D, with the SKU for each, so the specification you send us is the one you have already looked at.

Two processes, one plant, checked every shift.

MANUFACTURING CAPABILITY

PROCESS	MACHINES	RANGE	OUTPUT
Extrusion blow moulding	Tonva TVHD 2 L and 5 L lines, co-extrusion heads	50 mL – 5,000 mL	Narrow-neck bottles, wide-neck powder bottles, jerricans
Injection moulding	Bole 120 EKA, 120 t clamp	1 g – 500 g shot weight	PP closures, tamper-evident rings, seal plugs, collar plugs
Plant services	ELGI compressed air, Prasad GWK chiller, softened cooling water	150 t polymer / month	24 × 7 · closed automatic resin feeding · zero regrind on contact layers

IN-PROCESS QUALITY CONTROL

Every bottle — **Online leak test** as it leaves the machine; rejects removed automatically.

Every 30 min — **Weight check** on a calibrated balance against the datasheet tolerance, logged per cavity.

Every shift — **Drop test** of filled bottles from 1.2 m to confirm impact strength.

Every shift — **Wall thickness** on sectioned bottles, horizontal and vertical, by vernier calliper.

CERTIFICATIONS

ISO 9001:2015 — Quality management system for the manufacture of plastic articles. ISO 9001:2015 · Certificate 146880/A/0001/NB/En · URS Certification (NABCB-accredited, IAF MLA) · valid 10 June 2026 – 9 June 2029. Lot traceability from resin to despatch.

UN DESIGN-TYPE CERTIFICATE	PACKAGING	UN MARK	VALID TO
IIP 00142	ChemVault Titan 500 mL	3H1/X 1.9/250/** IND/A/43300142	Sep 2027
IIP 00143	ChemVault Titan 1 L	3H1/X 1.9/250/** IND/A/43300143	Oct 2027
IIP 00138	ChemVault Titan 2.5 L	3H1/X 1.9/250/** IND/A/43300138	Sep 2027
IIP 01021	ChemVault Titan 5 L	3H1/X 2.5/250/** IND/A/43301021	Jun 2030
IIP 01022	ChemVault Euro 550 g	3H1/X 2/S/** IND/A/43301022	Jun 2030
IIP 01023	ChemVault Euro 750 g	3H1/X 2.5/S/** IND/A/43301023	Jun 2030
IIP 01020	ChemVault Euro 1100 g	3H1/X 2.5/S/** IND/A/43301020	Jun 2030

Tested by the Indian Institute of Packaging, Ahmedabad, to the IMDG Code under Directorate General of Shipping approval. ** = year of manufacture. Chemical compatibility is declared by the filler; test reports available to customers on request.

What the bottle is made of, what it is approved for, how to treat it.

MATERIAL	WHERE	GRADE / SOURCE	RESISTS	LIMITS
HDPE	Bottle body, plugs	OPaL B5004 / Reliance HD50MA180 blow-moulding grade; Marlex on request	Acids, alkalis, alcohols, water, most salts; shatter-proof	Aromatic and chlorinated solvents swell it; –40 to +60 °C service
PP	Caps, TE rings, collar plugs	Reliance H110MA; PPB120MA for bell-type caps	Acids, alkalis, hot water to 100 °C	Strong oxidisers, UV without stabiliser
LLDPE	Seal plugs, TE rings, dust covers	Reliance M26500	Flexible seal on uneven necks	Solvents, >50 °C
PTFE	Wad face in standard and bell-type caps	PTFE film on PE foam	Practically everything	Molten alkali metals, fluorine
PVDF	Collar plugs for glass	Injection grade	Xylene, toluene, MSA, chloroform, acetic acid	Ketones, esters, DCM
Masterbatch	Outer layer only	Borouge MB6365 black; colours matched to the Pristius colour library	Black: UV and visible light	Never in the product-contact layer

READING THE UN MARK ON A PRISTIUS BOTTLE

3H1 / X 1.9 / 250 / 26

IND/A/43301021

3H1	Plastic jerrican or bottle, non-removable head
X	Tested for packing groups I, II and III, the most severe class
1.9	Maximum specific gravity of the liquid (2.5 on the 5 L); S = solids
250	Hydraulic test pressure in kPa, above the 95 kPa air-transport minimum
26	Year of manufacture, printed by the filler
IND/A	Certified in India by the Indian Institute of Packaging under DG Shipping

COMPLIANCE

- **ISO 9001:2015** quality management, URS / NABCB, cert. 146880/A/0001/NB/En
- **UN / IMDG** design-type approval on 7 packagings; test reports on request
- **Food-contact resins**: HDPE and PP grades compliant with FDA 21 CFR 177.1520 and EU 10/2011, statements per lot
- **Recycling mark** ♳ 02 HDPE moulded in, per Directives 97/129/EC and 94/62/EC; 100 % HDPE, mono-material
- **REACH / RoHS** declarations of conformity on request; no SVHC, no heavy-metal pigments
- **PCR-HDPE** outer layer available for non-regulated fills

HANDLING

- **Storage:** 5–40 °C, dry, out of direct sunlight, on a closed pallet; use within 5 years of the date embossed on the base.
- **Filling:** upright, level, at atmospheric pressure, fill temperature ≤ 40 °C; remove the dust cover at the filler.
- **Hot or gassing fills:** cool before closing or use a vented cap; prolonged 60–80 °C deforms the wall.
- **Closing:** use the closure named in the UN certificate, at the stated torque, with the seal fitted and undamaged.
- **Re-use:** single-trip packaging for UN consignments; any refill is the user's responsibility after inspection.

What a supplier audit expects, and what you get from us.

Our packaging is specified by laboratory-chemical and reagent companies in India, the UK, the Middle East and North America, including supply programmes for global reagent groups. These are the things their supplier-quality teams asked for, and that we now provide as standard.

Specification and change control

Controlled datasheet per product with dimensions, weight tolerance (± 5 %), resin grade and colour code. No resin, additive or mould change without written notification and samples for re-qualification.

Documentation per lot

Certificate of conformity, production log with leak, weight, wall-thickness and drop results, resin CoA and lot number traceable from bag to pallet.

Regulatory pack

ISO 9001:2015 certificate, UN design-type certificates and IIP test reports, resin food-contact statements (FDA 21 CFR 177.1520 / EU 10/2011), REACH and RoHS declarations on request.

Qualification support

Free production-tool samples for your compatibility and extractables testing, cut-section samples of the wall, and a technical contact who answers within one working day.

EXPORT LOGISTICS

PRODUCT	PER PALLET
ChemVault Titan 500 mL	3,038
ChemVault Titan 1 L	1,375
ChemVault Titan 2.5 L	576
ChemVault Titan 5 L	294
ChemVault Euro 550 g	2,912

PRODUCT	PER PALLET
ChemVault Euro 750 g	1,560
ChemVault Euro 1100 g	1,320
ChemVault Classic 550 g	2,520
ChemVault Classic 750 g	1,859
ChemVault Classic 1100 g	1,573
GL 45 standard caps	12,000
GL 45 bell-type caps	8,400

Standard pallet 1200 × 1000 mm, ISPM-15 pine, stretch-wrapped and fumigated · 20 ft FCL = 10 pallets · Ex-works, CIF and DAP terms · HS 3923 3090 bottles, 3923 5010 closures · ports Mundra / Nhava Sheva · courier samples by FedEx.



Talk to us about your next packaging specification.

Send a drawing, a fill volume or just the chemical, and we will come back with a bottle, closure and carton proposal, SKUs, samples for your own compatibility testing, and the UN and quality documentation your customer will ask for.

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Website

3D colour studio

Samples

Production-tool samples from stock sizes, with datasheet and UN certificate.

Documentation

Product datasheets, resin CoA, IIP UN test reports, ISO 9001 certificate.

Custom work

New moulds, branded caps, colours, co-packed carton sets.



Pristius PACK LLP

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Pristius Pack LLP · GST 24ABCFP1331N1ZC · Imprint, privacy and terms of sale at www.pristiuspack.com