

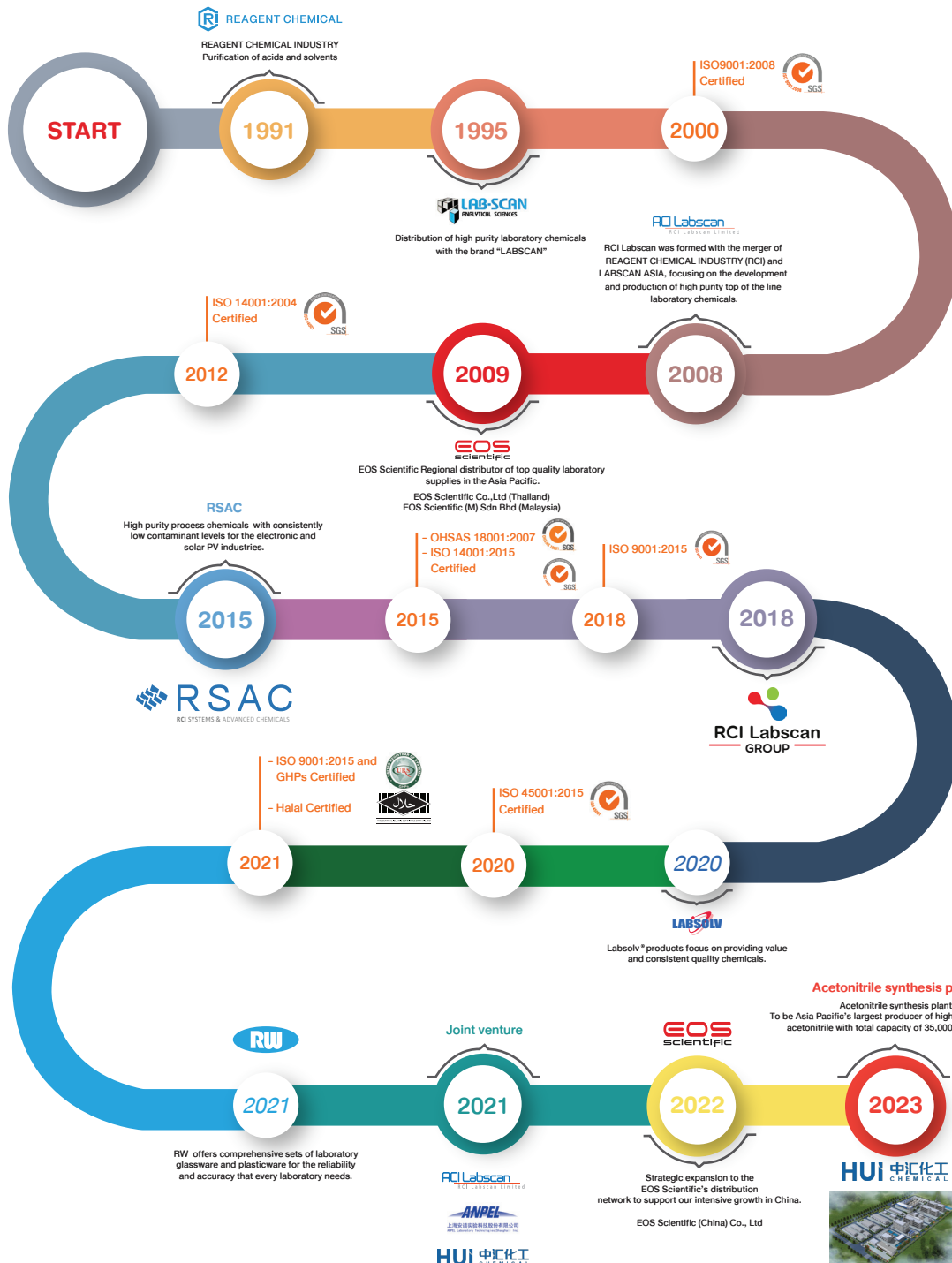


PRODUCT CATALOG

A timeline of our RCI Labscan group history

We're an industry leader

Established in 1991, RCI Labscan Group is a conglomerate of companies, comprising of RCI Labscan Limited, EOS Scientific, and RCI Systems & Advanced Chemicals. We manufacture and distribute high-purity chemicals for businesses in a wide variety of industries in over 20 countries. In doing so, our company has grown to become one of Asia Pacific's leading high purity chemicals supplier.



Your partner for laboratory glassware & plasticware

RW covers your glassware & plasticware needs. Our product range includes beakers, wash bottles, centrifuge tubes, pipettes and much more.

Our products are made of high-quality materials that offer great durability and strong resistance to chemicals, impurities and changes of temperature.

A focus on quality, service, and value for customers

Our sales and technical team have strong product knowledge and keep up to date with the latest in science and technology.

We work closely with our suppliers to carefully assess and select the products that we carry to ensure our customers receive the highest-quality products at all times.

Furthermore, we develop our own new, future-oriented RW brands based on research projects and cooperation.

We are also experienced in inventory management, logistics, and distribution to ensure the consistency and timeliness of supply to our customers.



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Beaker



Glass beaker, Low form (with spout, graduation scale)

- Use for stirring, mixing and heating liquids in laboratories, not suitable for accurate measurements.
- Beakers have permanent white enamel graduations for clear reading.
- Uniform wall thickness distribution suited to heat.
- Made from Boro 3.3 glass, with spout for pouring convenience.

Code No.	Material	Approx. Capacity (ml)	Approx. O.D. (mm)	Approx. Height (mm)	Qty/Pk	Qty/Cs
G1000-A5ML	Boro 3.3 glass	5	22	35	20	600
G1000-A10ML	Boro 3.3 glass	10	26	35	20	600
G1000-A25ML	Boro 3.3 glass	25	35	50	12	384
G1000-A50ML	Boro 3.3 glass	50	42	60	12	192
G1000-A100ML	Boro 3.3 glass	100	51	70	12	192
G1000-A150ML	Boro 3.3 glass	150	60	80	12	192
G1000-A200ML	Boro 3.3 glass	200	65	88	8	144
G1000-A250ML	Boro 3.3 glass	250	70	95	8	144
G1000-A300ML	Boro 3.3 glass	300	75	102	8	144
G1000-A400ML	Boro 3.3 glass	400	80	110	8	72



Plastic beaker, Low form (with spout, graduation scale)

Code No.	Material	Approx. Capacity (ml)	Approx. O.D. (mm)	Approx. Height (mm)	Graduation (ml)	Qty/Pk
P1000-A25ML	PP	25	45	40	5	24
P1000-A50ML	PP	50	47	61	5	12
P1000-A100ML	PP	100	56	70	10	12
P1000-A250ML	PP	250	75	98	50	12
P1000-A500ML	PP	500	92	107	25	6
P1000-A1L	PP	1000	114	143	50	6



Plastic beaker with spout, handle and graduation scale

Code No.	Material	Approx. Capacity (ml)	Approx. Top O.D. (mm)	Approx. Bottom O.D. (mm)	Approx. Height (mm)	Qty/Pk
P1016-A250ML	PP	250	80	65	96	12
P1016-A500ML	PP	500	100	85	120	12
P1016-A1L	PP	1000	120	95	148	6
P1016-A5L	PP	5000	190	150	240	6

Centrifuge Tube

Centrifuge Tube with Pressed Cover, PP

Code No.	Material	Approx. Capacity (ml)	Approx. O.D. (mm)	Approx. Length (mm)	Qty/Pk
P1001-E0.2ML	PP	0.2	7	21	100
P1001-F0.2ML	PP	0.2	7	21	500
P1001-E0.5ML	PP	0.5	10	31	100
P1001-F0.5ML	PP	0.5	10	31	500
P1001-D1.5ML	PP	1.5	13	40	50
P1001-D2ML	PP	2	13	41	50
P1001-D5ML	PP	5	15	52	50



Centrifuge Tube with Screw Cap, conical bottom (Non-sterile)

Code No.	Material	Approx. Capacity (ml)	Cap		Tube		Graduation	Qty/Pk
			Approx. O.D. (mm)	Approx. Height (mm)	Approx. O.D. (mm)	Approx. Length (mm)		
P1002-B15ML	PP	15	21	10	16	120	0.5	10
P1002-B50ML	PP	50	34	12	27	117	2.5	10



Centrifuge Tube with Screw Cap, conical bottom (Non-sterile) without graduation

Code No.	Material	Approx. Capacity (ml)	Cap		Tube		Qty/Pk
			Approx. O.D. (mm)	Approx. Height (mm)	Approx. O.D. (mm)	Approx. Length (mm)	
P1040-C50ML	PP	50	34	12	27	117	25



Centrifuge Tube with Screw Cap, conical bottom (Sterite)

Code No.	Material	Approx. Capacity (ml)	Cap		Tube		Graduation	Qty/Pk
			Approx. O.D. (mm)	Approx. Height (mm)	Approx. O.D. (mm)	Approx. Length (mm)		
P1002-AS15ML	PP	15	21	10	16	120	0.5	1
P1002-AS50ML	PP	50	34	12	27	117	2.5	1



Dropping Bottles



Dropping Bottles

Amber soda glass, glass dropping pipette with interchangeable ground-joint stopper has an integrated dropping pipette with red silicone rubber. Cap: 50-ml.

Code No.	Material	Approx. Capacity (ml)	Qty/Pk
G1020-A50ML	Soda glass	50	1



Dropping Bottles

Amber soda glass, PMP (TPX) dropping pipette with interchangeable ground-joint stopper has an integrated dropping pipette with red silicone rubber. Cap: 50-ml.

Code No.	Material	Approx. Capacity (ml)	Qty/Pk
G1021-A50ML	Soda glass	50	1



Flask Support

Flask Support

Code No.	Material	Approx. O.D. (mm)	Approx. Height (mm)	Qty/Pk
P1029-A90/50	Rubber	90	50	1



Funnels



Plastic Funnel

Conventional polypropylene, non toxic, with stands almost chemicals at room temperature.

Code No.	Material	Approx. Top I.D. (mm)	Approx. Stem Length (mm)	Approx. Overall Length (mm)	Qty/Pk
P1005-A50MM	PP	50	23	57	24
P1005-A60MM	PP	60	28	76	12
P1005-A75MM	PP	75	89	144	12
P1005-A90MM	PP	90	93	162	12
P1005-A100MM	PP	100	46	124	12
P1005-A120MM	PP	120	46	138	12
P1005-A150MM	PP	150	42	152	12



Magnetic Stirrer Bar

A common type of stir bar with pivot ring, PTFE coated.

Code No.	Approx. O.D. X Length (mm)	Qty/Pk
P1013-A4/8	4 X 8	1
P1013-A5/15	5 X 15	1
P1013-A6/10	6 X 10	1
P1013-A6/12	6 X 12	1
P1013-A6/20	6 X 20	1
P1013-A6/25	6 X 25	1
P1013-A6/30	6 X 30	1
P1013-A6/35	6 X 35	1
P1013-A8/13	8 X 13	1
P1013-A8/15	8 X 15	1
P1013-A8/20	8 X 20	1
P1013-A8/22	8 X 22	1
P1013-A8/25	8 X 25	1
P1013-A8/28	8 X 28	1
P1013-A8/30	8 X 30	1
P1013-A8/35	8 X 35	1
P1013-A8/38	8 X 38	1
P1013-A8/40	8 X 40	1
P1013-A8/45	8 X 45	1
P1013-A8/51	8 X 51	1
P1013-A8/65	8 X 65	1
P1013-A9/60	9 X 60	1
P1013-A9/70	9 X 70	1
P1013-A10/40	10 X 40	1
P1013-A10/45	10 X 45	1
P1013-A10/50	10 X 50	1
P1013-A12/55	12 X 55	1
P1013-A12/65	12 X 65	1
P1013-A13/75	13 X 75	1
P1013-A13/80	13 X 80	1



Magnetic Stirrer Bar



Octagonal shape, with pivot ring

Code No.	Approx. O.D. X Length (mm)	Qty/Pk
P1014-A4/8	4 X 8	1
P1014-A5/13	5 X 13	1
P1014-A5/15	5 X 15	1
P1014-A6/10	6 X 10	1
P1014-A6/12	6 X 12	1
P1014-A6/15	6 X 15	1
P1014-A6/20	6 X 20	1
P1014-A6/25	6 X 25	1
P1014-A6/30	6 X 30	1
P1014-A6/35	6 X 35	1
P1014-A7/20	7 X 20	1
P1014-A7/25	7 X 25	1
P1014-A8/13	8 X 13	1
P1014-A8/15	8 X 15	1
P1014-A8/20	8 X 20	1
P1014-A8/22	8 X 22	1
P1014-A8/25	8 X 25	1
P1014-A8/28	8 X 28	1
P1014-A8/30	8 X 30	1
P1014-A8/35	8 X 35	1
P1014-A8/38	8 X 38	1
P1014-A8/40	8 X 40	1
P1014-A8/45	8 X 45	1
P1014-A8/51	8 X 51	1
P1014-A8/65	8 X 65	1
P1014-A9/50	9 X 50	1
P1014-A9/60	9 X 60	1
P1014-A9/70	9 X 70	1
P1014-A10/40	10 X 40	1
P1014-A10/45	10 X 45	1
P1014-A10/50	10 X 50	1
P1014-A12/55	12 X 55	1
P1014-A12/65	12 X 65	1
P1014-A13/75	13 X 75	1
P1014-A13/80	13 X 80	1

Magnetic Stirrer Bar

Cylindrical shape, PTFE coated

Code No.	Approx. O.D. X Length (mm)	Qty/Pk
P1015-A4/10	4 X 10	1
P1015-A5/7	5 X 7	1
P1015-A5/15	5 X 15	1
P1015-A6/10	6 X 10	1
P1015-A6/15	6 X 15	1
P1015-A6/20	6 X 20	1
P1015-A6/25	6 X 25	1
P1015-A6/30	6 X 30	1
P1015-A7/20	7 X 20	1
P1015-A7/25	7 X 25	1
P1015-A8/25	8 X 25	1
P1015-A8/30	8 X 30	1
P1015-A8/35	8 X 35	1
P1015-A8/40	8 X 40	1
P1015-A8/45	8 X 45	1
P1015-A8/50	8 X 50	1
P1015-A8/55	8 X 55	1
P1015-A8/60	8 X 60	1
P1015-A8/70	8 X 70	1
P1015-A8/80	8 X 80	1
P1015-A9/50	9 X 50	1
P1015-A10/36	10 X 36	1
P1015-A10/40	10 X 40	1
P1015-A10/55	10 X 55	1
P1015-A10/60	10 X 60	1
P1015-A10/80	10 X 80	1



Measuring Cylinder



Measuring Cylinder

Made of polypropylene, moulded graduation, hexagonal base for stability and to prevent rolling.

Code No.	Material	Approx. Capacity (ml)	Tolerance (\pm ml)	Approx. O.D. (mm)	Approx. Height (mm)	Qty/Pk
P1019-A100ML	PP	100	1.0	33	250	1
P1019-A250ML	PP	250	2.0	43	315	1
P1019-A500ML	PP	500	5.0	56	360	1
P1019-A1L	PP	1000	10.0	67	440	1



Measuring Cylinder

Made of polypropylene, moulded graduation, hexagonal base for stability and to prevent rolling.

Code No.	Material	Approx. Capacity (ml)	Tolerance (\pm ml)	Approx. O.D. Mouth (mm)	Approx. O.D. Base (mm)	Approx. Height (mm)	Qty/Pk
P1039-A100ML	PP	100	1.0	34	73	226	1
P1039-A250ML	PP	250	2.5	44	82	300	1
P1039-A500ML	PP	500	5.0	57	108	360	1
P1039-A1L	PP	1000	10.0	72	131	410	1



Pasteur Pipette, Pipette Controller, Pipette Pump

Pasteur Pipette

Pasteur pipettes (or droppers or transfer pipettes) are used to transfer small quantities of liquids. Made of plastic, non sterile.

It is not recommended to use Pasteur pipettes for work involving accuracy since Pasteur pipettes are not designed to measure specific volume.

Code No.	Approx. Capacity (ml)	Approx. Length (mm)	Qty/Pk
P1006-E1ML	1	145	100
P1006-F1ML	1	145	500
P1006-E3ML	3	160	100
P1006-F3ML	3	160	500
P1006-E10ML	10	280	100
P1037-E3ML	3	160	100
P1037-F3ML	3	160	500



Pipette Controller

Code No.	Colour	Control range (ml)	Qty/Pk
P1031-A0.1/100ML	Blue	0.1-100	1



Pipette Pump

Easy to use with finely adjustable thumb wheel, no possibility of sucking back.

Code No.	Colour	Capacity (ml)	Qty/Pk
P1022-A2ML	Blue	2	1
P1022-A10ML	Green	10	1



Pipette Stand, Pipette Tips



Pipette Stand

Code No.	Material	Qty/Pk
P1023-A	Acrylonitrile butadiene styrene (ABS)	1



Pipette Tips (Sterile)

Sterile Filter Pipette Tips in pre-assembled inserts, suitable for Gilson.

Code No.	Material	Approx. Capacity (ul)	Approx. Length (mm)	Qty/rack
P1003-GS10ul	PP	10	32	96
P1003-GS100/200ul	PP	100-200	50	96
P1003-ES1000ul	PP	1000	70	100



Pipette Tips (Sterile)

Sterile Filter Pipette Tips in pre-assembled inserts, Universal, Dnase/Rnase Free, Non-Pyrogenic.

Code No.	Material	Approx. Capacity (ul)	Approx. Length (mm)	Qty/rack
P1038-US10ul	PP	10	32	96
P1038-US200ul	PP	200	50	96



Pipette Tips (non-sterile)

Pipette Tips suitable for Gilson and Eppendorf.

Code No.	Material	Approx. Capacity (ul)	Suitable for	Approx. Length (mm)	Qty/Pk
P1004-E10ul	PP	10	Gilson	32	100
P1004-F10ul	PP	10	Gilson	32	500
P1004-E100/200ul	PP	100-200	Gilson/Eppendorf	50	100
P1004-F100/200ul	PP	100-200	Gilson/Eppendorf	50	500
P1004-E1000ul	PP	1000	Gilson/Eppendorf	70	100
P1004-F1000ul	PP	1000	Gilson/Eppendorf	70	500

Protective Collar (Bumper)

Protective Collar (Bumper)

The bumper is suitable for 100ml measuring cylinder.

Code No.	Material	Approx. Weight (gm)	Qty/Pk
P1026-A100M	LDPE	8	1



Symbol	Material	Description
1	PET	Polyethylene Terephthalate PET is commonly used in commercially sold water bottles, soft drink bottles, sports drink bottles, and condiment bottles
02	PE-HD	High-Density Polyethylene HDPE is commonly used in milk and juice bottles, detergent bottles, shampoo bottles, grocery bags, and cereal box liners.
03	PVC	Polyvinyl Chlorid PVC can be flexible or rigid, and is used for plumbing pipes, clear food packaging, shrink wrap, plastic children's toys, tablecloths, vinyl flooring, children's play mats, and blister packs (such as for medicines).
04	PE-LD	Low-Density Polyethylene LDPE is used for dry cleaning bags, bread bags, newspaper bags, produce bags, and garbage bags, as well as "paper" milk cartons and hot/cold beverage cups.
05	PP	Polypropylene PP is used to make yogurt containers, deli food containers, furniture, luggage and winter clothing insulation.
06	PS	Polystyrene PS, also popularly known as Styrofoam, is used for cups, plates, take-out containers, supermarket meat trays, and packing peanuts.
07	O	Other Any plastic item not made from the above six plastics is lumped together as a #7 plastic. Things like CD's baby bottles and headlight lens.

Reagent Bottle



Reagent Bottle (Clear Glass)

Autoclavable/Leakproof. Made from Boro 3.3 glass

Code No.	Material	Approx. Capacity (ml)	Gap LG	Approx. O.D. of bottle (mm)	Approx. O.D. of mouth (mm)	Approx. Height (mm)	Qty/Cs
G1008-A100ML	Boro 3.3 glass	100	45	50	40	102	12
G1008-A250ML	Boro 3.3 glass	250	45	65	40	142	16
G1008-A500ML	Boro 3.3 glass	500	45	72	40	180	25
G1008-A1L	Boro 3.3 glass	1000	45	85	40	230	50



Reagent Bottle (Plastic) wide mouth

Code No.	Material	Approx. Capacity (ml)	Approx. Height (mm)	Approx. DIA. (mm)
P1007-A30ML	HDPE	30	60	35
P1007-A60ML	HDPE	60	70	42
P1007-A100ML	HDPE	100	84	49
P1007-A125ML	HDPE	125	92	55
P1007-A1L	HDPE	1000	182	97



Reagent Bottles (Plastic), Square

Made from HDPE. Rectangular. Idea for storing chemicals. With tamper evident screw cap.

Code No.	Material	Approx. Capacity (ml)	Approx. Height (mm)
P1024-A1.5L	HDPE	1500	220



Reagent bottles (Plastic), Wide mouth

Bottle and screw cap made from PP. Suitable for general laboratory use, Autoclavable/Leakproof.

Code No.	Material	Lid colour	Approx. Capacity (ml)	Approx. Height (mm)
P1025-A250ML	PP	White	250	135
P1025-A500ML	PP	White	500	170

Safety Pipette Filler

Safety Pipette Filler

Code No.	Material	Colour	Qty/Pk
P1027-A	Silicone rubber	Red	1



Silica Gel



Silica Gel

The silica gel is a very porous form of silica. Have a uniform arrangement of the pores and their size. The crystals are clear, odorless, insoluble except with strong alkali and hydrofluoric acid. It will give off no corrosive fumes when vapors are absorbed. It is non-deliquescent and will not change its size or shape. Silica gel may be reused by activation at 290 to 440 F changes color from blue to pink, as it adsorbs water and reaches adsorption capacity.

Code No.	Colour	DIA (mm)	Qty/Pk
P1012-H	Blue	2-4	1 KG



Spatulas (Spoon)

Spatulas (Spoon)

Code No.	Material	Approx. Length (mm)	Qty/Pk
P1028-A200mm	PP	200	1



Test Tube



Test Tube (Glass)

Glass test tube are made from Boro 3.3 glass, without rim, round bottom.

Code No.	Material	Approx. Capacity (ml)	Approx. O.D. (mm)	Approx. O.D. Length (mm)	Approx. Thickness (mm)	Qty/Pk	Qty/Cs
G1009-A10/75	Boro 3.3 glass	3	10	75	1	25	250
G1009-A12/75	Boro 3.3 glass	5	12	75	1	25	250
G1009-A13/100	Boro 3.3 glass	9	13	100	1.2	25	250
G1009-A16/150	Boro 3.3 glass	20	16	150	1.2	25	250
G1009-A18/150	Boro 3.3 glass	27	18	150	1.2	25	100



Test Tube with screw cap (Glass)

Glass test tube with screw bakelite cap with silicone gasket, made from Boro 3.3 glass.

Code No.	Material	Approx. Capacity (ml)	Approx. O.D. X Length (mm)	Approx. Length (mm)	Approx. Thickness (mm)	Qty/Pk	Qty/Cs
G1010-A13/100	Boro 3.3 glass	9	13	100	1.2	25	250
G1010-A16/100	Boro 3.3 glass	11	16	100	1.2	25	100
G1010-A16/150	Boro 3.3 glass	20	16	150	1.2	25	100
G1010-A20/125	Boro 3.3 glass	25	20	125	1.2	25	100
G1010-A20/150	Boro 3.3 glass	30	20	150	1.2	25	100



Test Tube racks

Molded of a special blend of autoclavable polypropylene. Places 40 rows 4x10 Blue colour for 15-ml centrifuge tube

Code No.	For test tube DIA (mm)	Outside dimension L x W x H (mm)	Qty/Pk
P1030-A	20	246x104x64	1

Volumetric Flask

Volumetric Flask (Plastic)

Made of Polypropylene, high transparency, with NS PP stopper.
Tolerances Class "B"

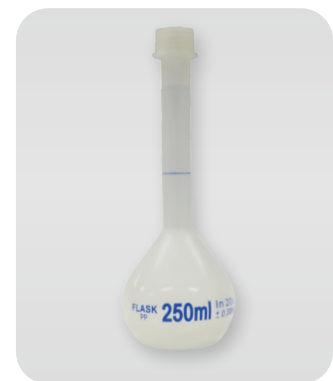
Code No.	Capacity (mm)	Tolerance (+ml)	Approx. Height (mm)
P1017-A50ML	50	0.10	105
P1017-A100ML	100	0.16	185
P1017-A250ML	250	0.15	235
P1017-A500ML	500	0.40	270



Volumetric Flask (Plastic)

Made of Polypropylene, high transparency, with screw cap made of PP.
Tolerances Class "B"

Code No.	Capacity (mm)	Tolerance (+ml)	Approx. Height (mm)
P1018-A25ML	25	0.08	115
P1018-A50ML	50	0.10	155
P1018-A100ML	100	0.16	180
P1018-A250ML	250	0.20	230
P1018-A500ML	500	0.40	265



Volumetric Flask (Plastic)

Made of Polypropylene, high transparency, with screw cap made of PP.
Tolerances Class "B"

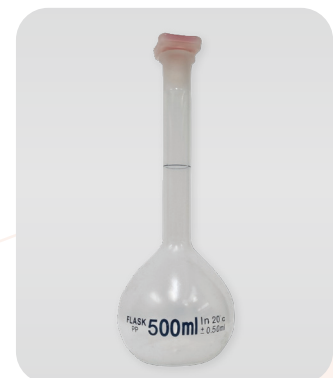
Code No.	Capacity (mm)	Tolerance (+ml)	Approx. Height (mm)
P1041-A50ML	50	0.12	150
P1041-A100ML	100	0.20	182
P1041-A250ML	250	0.30	230
P1041-A500ML	500	0.50	272



Volumetric Flask (Plastic)

Made of Polypropylene, high transparency, with NS PP stopper.
Tolerances Class "B"

Code No.	Capacity (mm)	Tolerance (+ml)	Approx. Height (mm)
P1042-A50ML	50	0.12	150
P1042-A100ML	100	0.20	182
P1042-A250ML	250	0.30	226
P1042-A500ML	500	0.50	270



Wash Bottle



Wash Bottle, Plastic

Code No.	Material	Approx. Capacity (ml)	Approx. Height (mm)
P1011-A250ML	HDPE	250	180
P1011-A500ML	HDPE	500	210
P1011-A1L	HDPE	1000	250



Wash Bottle

Code No.	Material	Approx. Capacity (ml)	Approx. Height (mm)
P1033-A250ML	LDPE	250	180
P1033-A500ML	LDPE	500	210
P1033-A1L	LDPE	1000	250



Wash Bottle : Narrow mouth

Narrow mouth. LDPE, flexible, adjustable height delivery tube.

Code No.	Material	Approx. Capacity (ml)	Approx. Height (mm)
P1034-A250L	LDPE	250	145
P1034-A1L	LDPE	1000	220



Wash Bottle : Oval shape

Oval shape, Fitted with polypropylene leak-proof, swivel dispensing closures.

Code No.	Material	Approx. Capacity (ml)	Approx. Height (mm)
P1035-A125ML	LDPE	125	117
P1035-A250ML	LDPE	250	160
P1035-A500ML	LDPE	500	190
P1035-A1L	LDPE	1000	237

Wash Bottle

Wash Bottle : Round shape

Round shape, Fitted with polypropylene swivel/leak-proof closure featuring an acute angled "swan neck" dispensing spout

Code No.	Material	Approx. Capacity (ml)	Approx. Height (mm)
P1036-A500ML	PP	500	185



Wash Bottle (Acetone labelled)

Wide neck. Made of LDPE. Color stopper : red

Code No.	Material	Approx. Capacity (ml)	Approx. Height (mm)
P1032-AA250ML	LDPE	250	145
P1032-AA500ML	LDPE	500	165



Wash Bottle (Distilled Water labelled)

Wide neck. Made of LDPE. Color stopper : white

Code No.	Material	Approx. Capacity (ml)	Approx. Height (mm)
P1032-AW250ML	LDPE	250	145
P1032-AW500ML	LDPE	500	165



Wash Bottle (Ethanol labelled)

Wide neck. Made of LDPE. Color stopper : orange

Code No.	Material	Approx. Capacity (ml)	Approx. Height (mm)
P1032-AE250ML	LDPE	250	145
P1032-AE500ML	LDPE	500	165



Wash Bottle



Wash Bottle (Isopropanol labelled)

Wide neck, with venting valve, Made of LDPE. Color stopper : yellow

Code No.	Material	Approx. Capacity (ml)	Approx. Height (mm)
P1032-AI250ML	LDPE	250	145



Wash Bottle (Methanol labelled)

Wide neck. Made of LDPE. Color stopper : green.

Code No.	Material	Approx. Capacity (ml)	Approx. Height (mm)
P1032-AM250ML	LDPE	250	145
P1032-AM500ML	LDPE	500	165

EFFECT OF CHEMICALS ON PLASTICS

Chemicals can affect the strength, flexibility, surface appearance, color, dimensions or weight of plastic. The basic modes of interaction which these changes are:

- (1) chemical attack on the polymer chain, with resultant reduction in physical properties, including oxidation; reaction of functional groups in or on the chain, and depolymerization;
- (2) physical change, including absorption of solvents, resulting in softening and swelling of the plastic permeation of solvent through the plastic, and dissolution in a solvent,
- (3) stress-crackin from the interaction of a “stress-cracking agent” with molded-in or external stresses. Also see “Chemical Resistance Classification”.

The reactive combination of compounds of two or more classes may cause a synergistic or undesirable chemical effect. Other factors affecting chemical resistance include temperature, pressure and internal or external stresses (e.g. centrifugation), length of exposure and concentration of the chemical. As temperature increases, resistance to attack decreases.

Resin Codes:

ECTFE	Ethylene-chlorotrifluoroethylene copolymer
ETFE	Ethylene-tetrafluoroethylene
FEP	Fluorinated ethylene propylene
HDPE	high-density polyethylene
LDPE	low-density polyethylene
PC	polycarbonate
PETG	polyethylene terephthalate copolymer
PFA	Perfluoroalkoxy
PMP	polymethylpentene
PP	polypropylene
PPCO*	polypropylene copolymer
PS	polystyrene
PSF	polysulfone
PVC	polyvinyl chloride
PVDF	polyvinylidene fluoride
TEE	Tetrafluoroethylene
TMX	Thermanox
PMX	Permanox

CHEMICAL	LDPE	HDPE	PP	PPCO	PMP	PETG	FEP	TFE	PEA	ECTFE	ETFE	PC	RIGID PVC	FLEX. PVC	PSF	PS	PVDF	TMX	PMX
ACTIC ACID 95%	EG	EE	EG	EG	EG	NN	EE	EE	EE	EE	EE	NN	EG	NN	FN	NN	EG	EN	EG
ACETONE	NN	NN	GG	GG	EE	NN	EE	EE	EE	GF	GF	NN	NN	NN	NN	NN	NN	EF	EE
ACETONITRILE	EE	EE	FN	FN	FN	-	EE	EE	EE	EE	EE	NN	NN	NN	NN	NN	EE	-	FN
AMMONIUM ACETATE	EE	EE	EE	EE	EE	-	EE	EE	EE	EE	EE	EE	EE	EG	EG	EE	EE	-	EE
AMMONIUM CHLORIDE	EE	EE	EE	EE	EE	-	EE	EE	EE	EE	EE	EG	EE	EG	EE	EE	EE	E-	EE
BORIC ACID	EE	EE	EE	EE	EE	NN	EE	EE	EE	EE	EE	EE	EE	GG	-	EG	EE	-	EE
CYCLOHEXANE	FN	FN	FN	FN	NN	-	EE	EE	EE	EG	EG	EG	GF	NN	NN	NN	EE	-	NN
CYCLOHEXANONE	NN	FN	FN	FN	GF	NN	EE	EE	EE	EE	EE	NN	NN	NN	NN	NN	FN	EF	GF
CYCLOPENTANE	NN	FN	FN	FN	FN	-	EE	EE	EE	EE	EE	NN	NN	NN	NN	NN	EE	-	FN
1,2-DICHLOROETHANE	NN	NN	NN	NN	NN	NN	EE	EE	EE	EE	EE	NN	FN	NN	NN	NN	EE	-	NN
DIETHYL ETHER	NN	FN	NN	NN	NN	-	EE	EE	EE	EG	EG	NN	FN	NN	NN	NN	EG	EN	NN
DIETHYLAMINE	NN	FN	GN	GN	FF	-	EE	EE	EE	EG	EG	NN	NN	NN	GF	GG	NN	-	FF
DIMETHYLACETAMIDE	FN	EE	EE	EE	FG	-	EE	EE	EE	EG	EG	NN	NN	NN	NN	NN	NN	EN	FG
DIMETHYLFORMAMIDE	EE	EE	EE	EE	EE	-	EE	EE	EE	GG	GG	NN	FN	NN	NN	NN	NN	EN	EE
DIMETHYLSULPHOXIDE	EE	EE	EE	EE	EE	NN	EE	EE	EE	EG	EG	NN	NN	NN	NN	EG	NN	EN	EE
1,4-DIOXAN	GF	GG	GF	GF	GF	-	EE	EE	EE	EF	EF	GF	FN	FN	FN	GF	NN	EN	GF
ETHANOL	EG	EE	EG	EG		G-	EE	EE	EE	EE	EE	EG	EE	GF	EG	GF	EE	EN	EG
ETHYL ACETATE	EE	EE	EG	EE	FN	NN	EE	EE	EE	EE	EE	NN	NN	NN	NN	NN	NN	EN	FN
FORMALDEHYDE 40%	EG	EE	EG	EG	EG	-	EE	EE	EE	EE	EE	EG	GF	FN	GF	NN	EE	E-	EG
HYDROCHLORIC ACID 35-37%	EE	EE	EG	EG	EG	-	EE	EE	EE	EE	EE	NN	GF	GN	EE	FF	EE	NN	EG
IODINE (RESUBLIMED)	NN	NN	FN	GN	-	-	EE	EE	EE	EG	EG	NN	NN	NN	NN	NN	EF	-	GN
MAGNESIUM CHLORIDE HEXAHYDRATE	EE	EE	EE	EE	EE	G-	EE	EE	EE	EE	EE	EE	EE	GN	EE	EE	EE	E-	EE
METHANOL	EE	EE	EE	EE	EE	-	EE	EE	EE	EE	EE	GF	EF	FN	GF	FN	EE	EN	EE
METHYL ETHYL KETONE	NN	NN	EG	EG	NN	G-	EE	EE	GF	GF	NN	NN	NN	NN	NN	NN	NN	E-	NN
METHYL ISOBUTYL KETONE	NN	NN	GF	GF	FF	NN	EE	EE	EE	GF	GF	NN	NN	NN	NN	NN	GN	E-	FF
METHYL TERT-BUTYL ETHER	NN	FN	FN	FN	EE	NN	EE	EE	EE	EG	EG	NN	NN	NN	NN	NN	EE	-	EE
n-BUTYL ACETATE	GF	GF	GF	GF	GF	-	EG	EE	EE	EG	NN	NN	NN	NN	NN	NN	GN	G-	GF
n-HEPTANE	FN	GF	FF	FF	FF	-	EE	EE	EE	EE	EE	EG	GF	NN	EG	NN	EE	E-	FF
n-HEXANE 95%	NN	GF	GF	GF	FN	E-	EE	EE	EE	EE	EE	FN	GN	NN	EG	NN	EE	E-	FN
NITRIC ACID 65-70%	FN	GN	NN	NN	FN	NN	EE	EE	EE	EE	EE	NN	FN	NN	NN	NN	GF	NN	FN
n-OCTANE	EE	EE	EE	EE	EE	-	EE	EE	EE	EE	EE	GF	FN	NN	GF	NN	EE	-	EE
ORTHO-PHOSPHORIC ACID 85%	EE	EE	EG	EG	EG	-	EE	EE	EE	EE	EE	EG	EG	GF	EE	EG	EE	NN	EG
SILVER NITRATE	EG	EE	EG	EG	EF	-	EE	EE	EE	EE	EE	EE	EG	EG	EE	GF	EE	GN	EE
SULFURIC ACID 96-98%	GC	GC	FN	FN	GG	NN	EE	EE	EE	EE	EE	NN	GN	NN	NN	NN	EG	NN	GG
TETRAHYDROFURAN	FN	GF	GF	GF	FF	-	EE	EE	EE	GF	GF	NN	NN	NN	NN	NN	FN	-	FF
TOLUENE	FN	FN	FN	GF	FF	FN	EE	EE	EE	EE	EE	FN	NN	NN	NN	NN	EE	GN	FF
TRICHLOROETHYLENE	NN	FN	NN	NN	NN	-	EE	EE	EE	EG	EG	NN	NN	NN	NN	NN	EE	GN	NN
2,2,4-TRIMETHYLPENTANE	FN	FN	FN	FN	FN	-	EE	EE	EE	EG	EG	NN	NN	NN	GF	NN	EE	-	FN
XYLENE	GN	FN	FN	FN	FN	-	EE	EE	EE	EG	NN	NN	NN	NN	NN	NN	EE	GN	FN
ZINC SULFATE (HEPTAHYDRATE)	EE	EE	EE	EE	EE	-	EE	EE	EE	EE	EE	EE	EE	GN	EE	EE	EE	E-	EE

E No damage after 30 days of constant exposure.

G Little or no damage after 30 days of constant exposure.

F Some effect after 7 days of constant exposure.

N Immediate damage may occur. Not recommended for continuous use.



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