

Corning® Reusable Plastic Ware

Beakers, Volumetric Flasks, and Graduated Cylinders

CORNING



Thomas
Scientific

800.345.2100 • 800.345.5232 fax
PO Box 99 • Swedesboro, NJ 08085
www.thomassci.com • value@thomassci.com



Introduction

Corning is pleased to introduce a new line of reusable plastic liquid handling products and volumetric ware. Complementary to the PYREX® liquid handling and volumetric line, this range of products features:

- ▶ Beakers available in polypropylene (PP) and Perfluoroalkoxy-copolymer (PFA)
- ▶ Beakers with handles in PP
- ▶ Graduated cylinders available in PP
- ▶ Volumetric flasks in PP, PFA and polymethylpentene (PMP)
- ▶ Graduated cylinders and volumetric flasks manufactured to the following specifications:
 - Volumetric flasks Class A and B DIN EN ISO 1042
 - Graduated cylinders Class B calibrated To Contain (TC) according to DIN 12681/ISO 6706

It is important to recognize the difference in specifications regarding DIN and ASTM standards. For reference, ASTM Class A and B specifications are more precise than DIN Class A and B specifications, respectively.

Volumetric Ware

The accuracy of volumetric ware depends on the care used in calibrating it, using the correct type of ware for the application, handling the ware properly and ensuring the ware is clean. Calibration of volumetric ware is usually done at 20°C, and the ware should be used at approximately this temperature. Refrigerated liquids should be allowed to come to room temperature before measuring them. Under normal use and care, the calibration of volumetric ware will not change. Do not expose volumetric ware to excessive heat, defined as temperatures approaching the Corning-defined upper service limit. The polymers from which the Corning line is manufactured have unique thermal characteristics. Each polymer temperature capability is described in the text below.

Corning Low Form Beakers, PP

Translucent polypropylene beakers printed with blue graduations.



Thomas No.	Corning No.	Capacity (mL)	Graduation Interval (mL)	Approx. O.D. x Height (mm)	Qty/Cs
1220B97	1000P-25	25	5	32 x 47	24
1220B98	1000P-50	50	10	41 x 60	12
1220B99	1000P-100	100	20	50 x 71	12
1220C00	1000P-150	150	20	56 x 80	12
1220C01	1000P-250	250	50	67 x 94	6
1220C02	1000P-400	400	100	77 x 109	6
1220C03	1000P-600	600	100	89 x 125	6
1220C04	1000P-1L	1000	100	106 x 148	6
1220C05	1000P-2L	2000	200	132 x 185	6
1220C06	1000P-3L	3000	500	156 x 210	4
1220C07	1000P-5L	5000	500	181 x 247	4

Corning Low Form Beakers, PFA

These beakers are translucent with a raised graduation scale. They feature high temperature and chemical resistance.



Thomas No.	Corning No.	Capacity (mL)	Graduation Interval (mL)	Approx. O.D. x Height (mm)	Qty/Cs
1220C08	1003P-25	25	5	32 x 50	12
1220C09	1003P-50	50	10	39 x 59	12
1220C10	1003P-100	100	20	51 x 72	12
1220C11	1003P-250	250	50	67 x 95	6
1220C12	1003P-500	500	100	82 x 120	6
1220C13	1003P-1L	1000	100	104 x 140	6



Corning® Graduated Beakers with Handle and Spout, PP

Translucent polypropylene beakers printed with blue graduations.

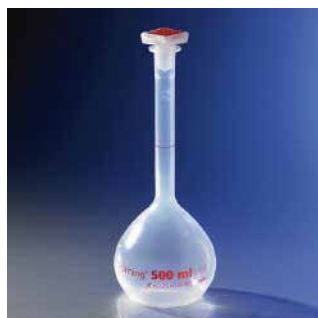
Thomas No.	Corning No.	Capacity (mL)	Graduation Interval (mL)	Approx. O.D. x Height (mm)	Qty/Cs
1220C14	1015P-250	250	5	77 x 115	12
1220C15	1015P-500	500	10	95 x 136	12
1220C16	1015P-1L	1000	10	125 x 167	12
1220C17	1015P-2L	2000	20	152 x 217	8
1220C18	1015P-3L	3000	50	170 x 243	6



Corning Single Metric Scale, Graduated Cylinder, PP, TC with Funnel Top

Translucent polypropylene graduated cylinders are manufactured with raised graduations at the primary scale points. Cylinders have a hexagonal base and are calibrated “to contain” (TC). Tolerances according to ISO 6706. Exposure to temperatures above 60°C may affect accuracy.

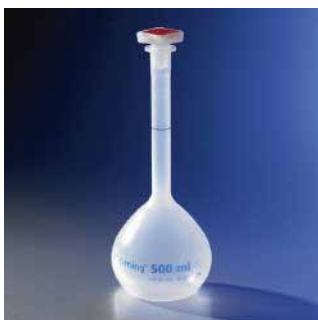
Thomas No.	Corning No.	Capacity (mL)	Tolerance ± (mL)	Graduation Interval (mL)	Approx. O.D. x Height (mm)	Qty/Cs
1220B89	3022P-10	10	0.20	0.20	14 x 145	12
1220B90	3022P-25	25	0.50	0.50	20 x 170	12
1220B91	3022P-50	50	1.00	1.00	26 x 200	12
1220B92	3022P-100	100	1.00	1.00	31 x 250	12
1220B93	3022P-250	250	2.00	2.00	42 x 315	6
1220B94	3022P-500	500	5.00	5.00	54 x 360	6
1220B95	3022P-1L	1000	10.00	10.00	65 x 440	6
1220B96	3022-2L	2000	20.00	20.00	84 x 482	3



Corning Volumetric Flasks, PMP, Class A

Translucent flask is supplied with tapered polypropylene stopper with an individually calibrated graduation line. The product is manufactured to Class A tolerances as defined by ISO 1042. They are supplied with an imprinted lot number and certificate. These flasks may be autoclaved to 121°C without affecting the graduation tolerance. Recommended routine cleaning up to 60°C will preserve graduation markings. Height dimension is for flask only, without stopper.

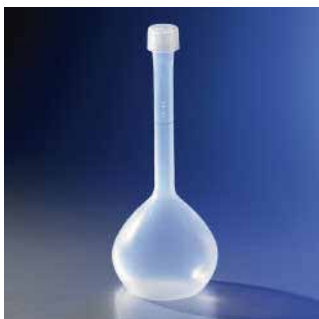
Thomas No.	Corning No.	Capacity (mL)	Tolerance ± (mL)	Approx. O.D. x Height (mm)	Tapered Stopper	Qty/Cs
1220B76	5640P-10	10	0.04	33 x 90	10/19	6
1220B77	5640P-25	25	0.04	41 x 108	10/19	6
1220B78	5640P-50	50	0.06	51 x 140	12/21	6
1220B79	5640P-100	100	0.10	64 x 170	14/23	6
1220B80	5640P-250	250	0.15	84 x 225	19/26	5
1220B81	5640P-500	500	0.25	104 x 260	19/26	4
1220B82	5640P-1L	1000	0.40	127 x 300	24/29	3



Corning Volumetric Flasks, PP, Class B

Translucent flask is supplied with tapered polypropylene stopper with an individually calibrated graduation line. The product is manufactured to Class B tolerances as defined by ISO 1042. Exposure to temperatures above 60°C may affect accuracy. Recommended routine cleaning up to 60°C will preserve graduations. Height dimension is for flask only, without stopper.

Thomas No.	Corning No.	Capacity (mL)	Tolerance ± (mL)	Approx. O.D. x Height (mm)	Tapered Stopper	Qty/Cs
1220B69	5641P-10	10	0.08	33 x 90	10/19	6
1220B70	5641P-25	25	0.08	41 x 108	10/19	6
1220B71	5641P-50	50	0.12	51 x 140	12/21	6
1220B72	5641P-100	100	0.20	64 x 170	14/23	6
1220B73	5641P-250	250	0.30	84 x 225	19/26	5
1220B74	5641P-500	500	0.50	104 x 260	19/26	4
1220B75	5641P-1L	1000	0.80	127 x 300	24/29	3



Corning® Volumetric Flasks, PFA, Class A

Translucent flasks are supplied with a PFA screw cap. Screw caps provide hermetic seals and help reduce the possibility of outside contamination. The product is manufactured to Class A tolerances as defined by ISO 1042 and flasks have individually calibrated graduation lines. They withstand high temperatures and are resistant to a variety of aqueous solutions and organic solvents. These flasks may be autoclaved to 121°C without affecting the graduation tolerance. Recommended routine cleaning up to 60°C will preserve graduations. Height dimension is flask only, without screw cap.

Thomas No.	Corning No.	Capacity (mL)	Tolerance ± (mL)	Approx. O.D. x Height (mm)	Tapered Stopper	Qty/Cs
1220B83	5650P-10	10	0.04	33 x 90	GL-18	6
1220B84	5650P-25	25	0.04	41 x 108	GL-18	6
1220B85	5650P-50	50	0.06	49 x 143	GL-18	6
1220B86	5650P-100	100	0.10	63 x 165	GL-18	6
1220B87	5650P-250	250	0.15	83 x 220	GL-25	5
1220B88	5650P-500	500	0.25	103 x 255	GL-25	4



Corning offers PYREX storage bottles in a wide variety of sizes, shapes and styles to meet all of your storage needs.

Corning Storage Bottles

Corning offers a wide variety of glass and plastic screw cap bottles designed to meet all of your storage needs. The following table shows the major differences between Corning's glass and plastic storage bottles.

PYREX® and PYREXPLUS® Glass Bottles

Reusable: easy to clean and sterilize; very durable for long life

Excellent chemical resistance: good for acids, alkalis and solvents but also media and aqueous solutions

Excellent temperature resistance: bottles can be repeatedly sterilized

Nine sizes: 25 mL to 10L

Catalog number series: 1395, 1396, 1397, 51395 and 61626

Corning and Costar® Plastic Bottles

Disposable: Sterile and ready to use; very convenient, no washing or clean up required

Lower chemical resistance: good for media and aqueous solutions

Lower temperature resistance: only polycarbonate bottles can be autoclaved

Five sizes: 125 mL to 1L

Catalog numbers: 431430, 431431, 431432, 431433, 431175, 430281, 430282, 430518, 8388, 8390, 8393 and 8396

Visit: www.thomassci.com Keyword: **Corning Storage Bottles**

CORNING



**For More Information,
Contact Your Thomas Scientific
Sales Representative Today!**



800.345.2100 • 800.345.5232 fax
PO Box 99 • Swedesboro, NJ 08085
www.thomassci.com • value@thomassci.com

