

 WHEATON | SAFETY COATED BOTTLES
PROMOTING SAFETY



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WHEATON Safety Coated Bottles

- Promotes safety by containing content if bottle is accidentally dropped
- PVC-based plastisol coats exterior of bottle
- Sizes from 8oz to 5 gallon
- Clear or amber glass
- Available with or without caps
- Choice of bottle style depends on application

Create a safe work environment with WHEATON's Plastisol Safety Coated Bottles. If a bottle is accidentally broken, the PVC based plastisol coating on the bottle contains the contents long enough for proper disposal. Ideal for lab or field applications, the bottle's non-slip coating allows greater ease and stability when handling wet or dry. Most bottles are manufactured with Type III soda lime glass, and they meet USP Type III standards. The media and reagent bottles are manufactured from Type I borosilicate glass which meets USP Type I standards. Only the media bottles can be autoclaved.



Safety Coated Bottles, Clear Glass

- Plastisol coated for safety
- Clear Type III soda lime glass
- Available with or without caps
- 16 & 32 oz Boston Round style
- 80 oz with jug handle

Cat. No.	Approx Size (oz)	Dia x Ht cap on (mm)	Dia x Ht cap off (mm)	Screw Cap Size	Qty/Case
With Aluminum Foil Lined Black Phenolic Cap					
220735	16	76 x 172	76 x 170	28-400	24
220736	32	96 x 210	96 x 208	33-400	12
220738	80*	135 x 295	135 x 291	38-439	6

Cat. No.	Approx Size (oz)	Dia x Ht cap on (mm)	Dia x Ht cap off (mm)	Screw Cap Size	Qty/Case
With Polyethylene (LDPE) Lined Black Phenolic Cap					
220745	16	76 x 172	76 x 170	28-400	24
220746	32	96 x 210	96 x 208	33-400	12
With Poly-Seal® LDPE Cone Lined Black Phenolic Cap					
220755	16	76 x 172	76 x 170	28-400	24
220756	32	96 x 210	96 x 208	33-400	12
With PTFE Faced Rubber Lined Black Phenolic Cap					
220775	16	76 x 172	76 x 170	28-400	24
220776	32	96 x 210	96 x 208	33-400	12
Without Cap					
220725	16	76 x 172	76 x 170	28-400	24
220726	32	96 x 210	96 x 208	33-400	12
220728	80*	135 x 295	135 x 291	38-439	6

*Manufactured with jug handle



Safety Coated Bottles, Amber Glass

- Plastisol coated for safety
- Amber Type III soda lime glass
- Available with or without caps
- 8, 16 & 32 oz Boston Round style
- 4L with jug handle

Cat. No.	Approx Size (oz)	Dia x Ht cap on (mm)	Dia x Ht cap off (mm)	Screw Cap Size	Qty/Case
With Aluminum Foil Lined Black Phenolic Cap					
220935	16	76 x 172	76 x 170	28-400	24
220936	32	96 x 210	96 x 208	33-400	12
220939	4L	160 x 340	160 x 336	38-430	4
With Polyethylene (LDPE) Lined Black Phenolic Cap					
220945	16	76 x 172	76 x 170	28-400	24
220946	32	96 x 210	96 x 208	33-400	12
220949	4L	160 x 340	160 x 336	38-430	4
With Poly-Seal® LDPE Cone Lined Black Phenolic Cap					
220955	16	76 x 172	76 x 170	28-400	24
220956	32	96 x 210	96 x 208	33-400	12
220959	4L	160 x 340	160 x 336	38-430	4
With PTFE Faced Rubber Lined Black Phenolic Cap					
220975	16	76 x 172	76 x 170	28-400	24
220976	32	96 x 210	96 x 208	33-400	12
220979	4L	160 x 340	160 x 336	38-430	4
Without Cap					
220924	8	62 x 142	62 x 140	24-400	48
220925	16	76 x 172	76 x 170	28-400	24
220926	32	96 x 210	96 x 208	33-400	12
220929	4L*	160 x 340	160 x 336	38-430	4

*Manufactured with jug handle

See Replacement Caps on Back Page



Safety Coated Jars

- Plastisol coated for safety
- Clear Type III glass only
- Wide mouth for use with solid samples
- Available with or without caps

Cat. No.	Approx Size (oz)	Dia x Ht cap on (mm)	Dia x Ht cap off (mm)	Screw Cap Size	Qty/Case
With Poly-vinyl Lined Black Phenolic Cap					
216627	8	75 x 92	75 x 90	70-400	12
216629	16	78 x 147	78 x 146	70-400	12
216631	32	95 x 182	95 x 180	70-400	12
Without Cap					
216637	8	75 x 92	75 x 90	70-400	12
216639	16	78 x 147	78 x 146	70-400	12
216641	32	95 x 182	95 x 180	70-400	12



Safety Coated Lab 45[®] Media/Reagent Bottles

- Plastisol coated for safety
- Clear Type I borosilicate glass
- 45mm white polypropylene screw cap attached
- Pour ring eliminates drips
- 100 to 1000mL size
- Autoclavable
- Color coded caps available separately

Cat. No.	Size (mL)	Approx Dia x Ht (mm)	Screw Cap Size	Qty/Case
219935	100	56 x 109	45	12
W219937	250	70 x 144	45	12
219939	500	86 x 186	45	12
219940	1000	101 x 233	45	12



Color Coded Caps for Lab 45[®] Bottles

Cat. No.	Description	Size (mm)	Qty/Case
240726	White PP, w/ Wedge-Shaped Inner Sealing Ring	45	12
240726-03	Red PP, w/Wedge-Shaped Inner Sealing Ring	45	12
240726-04	Blue PP, w/Wedge-Shaped Inner Sealing Ring	45	12
240726-06	Green PP, w/Wedge-Shaped Inner Sealing Ring	45	12



Safety Coated Bottle with Writing Patch

- Plastisol coated for safety
- Clear Type I borosilicate glass
- 33-430 screw cap attached
- Cap liner PTFE faced foamed polyethylene
- 125 & 250mL size
- Autoclavable

Cat. No.	Size (mL)	Approx Dia x Ht (mm)	Screw Cap Size	Qty/Case
221014	125	58 x 122	33-430	6
221017	250	69 x 151	33-430	6



Safety Coated Solution Bottle

- Plastisol coated for safety
- Clear Type I low extractable borosilicate glass
- Serum finish takes rubber stopper closure
- Not Autoclavable

Cat. No.	Size	Approx Dia x Ht (mm)	Screw Cap Size	Qty/Case
221029	5 gallon	294 x 502	12	1

WHEATON Screw Caps



The selection of the liner is by far the most important step in determining the success or failure of your package. WHEATON recommends the following criteria for liner selection:

- Conformity with EPA and FDA regulations
- Chemical resistance
- Sealing ability against moisture/gas gain or loss, leakage, pressure buildup and corrosive packaging
- Avoidance of "over-packaging" - selecting the most economical liner for the required applications

WHEATON Screw Caps

Cat. No.	Cap Size	Qty/Pack	Qty/Case
Black Phenolic Cap with Polyethylene (LDPE) Poly-Seal® Liner			
239259	28-400	72	144
239260	33-400	72	144
Black Phenolic Cap with Rubber Liner			
W239301	28-400	72	144
W239302	33-400	72	144
240281	38-430	—	200
Black Phenolic Cap with PTFE Faced (14B) Styrene-Butadiene Rubber Liner			
240419	28-400	—	100
240421	33-400	—	100
240481	38-430	—	100

WHEATON Screw Caps, continued...

Cat. No.	Cap Size	Qty/Pack	Qty/Case
Black Phenolic Cap with Aluminum Foil Liner			
240319	28-400	—	100
240321	33-400	—	100
240381	38-430	—	200
W240382	38-439	—	200

Note: Black phenolic screw caps without liner, with 14B rubber liners, with PTFE faced (14B) liner and gray chlorobutyl/50 septa can be steam autoclaved.

Cap Liner Technical Chart

Material

Description

Applications

Poly-Vinyl

One Mil poly Vinyl film bonded to one Mil HDPE on a #30 white pulp paper backing. Superior to plain pulp paper because it provides an excellent moisture barrier.

General purpose: Suitable for wide range of applications. Chemical resistance: Good for mild acids, alkalis, solvents, alcohols, oils and aqueous products. Poor for active hydrocarbons and bleaches.

PTFE-Faced Foamed Polyethylene

PTFE-faced foamed polyethylene liner that offers the excellent chemical resistance of PTFE with the compressibility and sealing properties of polyethylene foam.

Typical applications: analytical lab samples, high purity chemicals, strong acids, solvents. Excellent for environmental samples, pharmaceuticals and diagnostic reagents.

Poly-Seal®

Manufactured from Polyethylene (LDPE). The unique cone design provides a wedge type seal that not only seals across the top but also across the inside diameter.

Unique problem solving type of liner. This liner is stress crack resistant and offers superior torque retention and excellent sealing characteristics. It is recommended that this liner be tested prior to use for leak seal.

14B White Rubber

The 14B white rubber lining material consists of homogeneous sulfur cured styrene-butadiene rubber. FDA Status complies with 21CFR 177.26, "Rubber articles intended for repeated use."

Excellent properties of resilience, resistant to moisture vapor. Chemical barrier. Autoclavable.

Pulp/Aluminum Foil

Aluminum foil bonded to 0.35" pulp board.

Good barrier properties, good resistance to hydrocarbons, oils, ketones and alcohols. Not good for acids or alkalis.