

NEW!



diamondESSENTIALS[™]

Bulk Plastic Laboratory Bottles



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Diamond® Essentials™ bulk plastic bottles meet the market need for efficient, effective, and economical packaging options aimed at manual and automated filling operations. Packaged in bulk with caps and bottles bagged separately, no de-capping step is needed before filling Diamond® Essentials™ Bulk Bottles. Available in wide and narrow mouth options with cap and closure sizes that match industry norms, the bottles integrate easily into filling operations.

Diamond® Essentials™ bulk plastic laboratory bottles are precision molded from virgin high density polyethylene (HDPE) resins for consistent wall thickness and smooth surfaces inside and out. These rugged HDPE bottles are resistant to most corrosives and are suitable for freezer storage down to -100°C. Amber bottle options reduce UV light transmission to protect light sensitive contents and comply with US Pharmacopeia requirements for light transmission. Polypropylene caps are engineered with an integrated seal ring and semi-buttressed threads for leak proof closure. These leak proof bottles are designed and tested to withstand the highest pressure thresholds in the industry.*

The Diamond® Essentials™ Advantage:

Medical Grade Resins to Meet Demanding Requirements

- Compliant with USP Class VI standards for pharmaceutical, research, and packaging applications
- FDA CFR-21 compliant for food contact
- Free of heavy metals and RoHS compliant
- BPA and Phthalate free

Molded to Precise Specifications for Consistent Wall Thickness and Smooth Surfaces

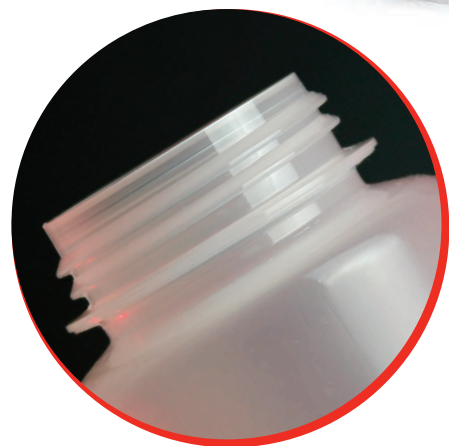
- Improves bottle and seal integrity
- Reduces content “hang-up”
- Manufactured in ISO 13485 and ISO 9001 certified facility

Leakproof, Linerless Caps for Secure Closure

- Engineered with semi-buttressed threads for superior performance compared to alternate designs
- Integrated seal ring molded into cap to prevent leaks
- Linerless cap design to eliminates the contamination risk associated with liners: wrinkles, tears, wear, corrosion, reaction, and leakage

Efficiency in Operations

- Industry accepted cap and closure sizes for seamless integration into filling operations
- Packaged with bottles and caps separate to eliminate the need to uncap the bottles before filling
- Produced and packed in a controlled environment to assure cleanliness



Diamond® Essentials™ bottles and caps are designed with semi-buttressed threads for superior performance compared to round threads found on inferior bottles.

*See back page for the Diamond® Essentials™ bottles leak testing protocol.

Narrow Mouth HDPE Bottles

Narrow mouth bottles improve pouring of liquid contents making them perfect for storing and shipping liquids.

Item #	Capacity	Closure Size	Neck I.D.	Bottle O.D.	Height w/Cap	Unit
7560004BKS	4	13	8	16	41	2000
7560008BKS	8	20	14	25	45	2000
7560015BKS	15	20	14	25	58	2000
7560030BKS	30	20	14	37	62	1000
7560060BKS	60	20	14	40	85	1000
7560125BKS	125	24	18	52	100	500
7560250BKS	250	24	18	62	133	250
7560500BKS	500	28	22	74	170	125
7561000BKS	1000	38	29	94	219	50

AMBER:

7560004AMBKS	4	13	8	16	41	2000
7560008AMBKS	8	20	14	25	45	2000
7560015AMBKS	15	20	14	25	58	2000
7560030AMBKS	30	20	14	37	62	1000
7560060AMBKS	60	20	14	40	85	1000
7560125AMBKS	125	24	18	52	100	500
7560250AMBKS	250	24	18	62	133	250
7560500AMBKS	500	28	22	74	170	125
7561000AMBKS	1000	38	29	94	219	50



Additional bottle substrates and packaging configurations are available. Please inquire.

Wide Mouth HDPE Bottles

Wide mouth bottles facilitate the rapid filling and dispensing of solids, powders, and viscous materials.

Item #	Capacity	Closure Size	Neck I.D.	Bottle O.D.	Height w/Cap	Unit
7510030BKS	30	28	22	35	62	1000
7510060BKS	60	28	22	40	85	1000
7510125BKS	125	38	29	51	98	500
7510250BKS	250	43	33	62	130	250
7510500BKS	500	53	44	74	167	125

AMBER:

7510030AMBKS	30	28	22	35	62	1000
7510060AMBKS	60	28	22	40	85	1000
7510125AMBKS	125	38	29	51	98	500
7510250AMBKS	250	43	33	62	130	250
7510500AMBKS	500	53	44	74	167	125



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Quality. Value. No Compromises.



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Leak Testing Protocol

Standard leak testing of Diamond® Essentials™ bottles is performed with water.*

Leak testing and “Leak proof” designation for bottles up to 1000mL:

- Bottles are filled to 80% of nominal capacity, closed per minimum torque requirement
- Inverted bottles are subjected to pressure test of 85kPa and inspected for leakage.

NOTE: This test protocol applies more than 5x the pressure used by competitors to claim “leak proof” closures.

*NOTE: Testing with other liquids may yield different results.



Neck Finish and Torques

	Bottle Capacity (mL)	Neck Finish (mm)	Minimum Torque (in-lb)	Maximum Torque (in-lb)
Narrow Mouth				
7560004BKS & 7560004AMBKS	4	13-415	5	7
7560008BKS & 7560008AMBKS	8	20-415	10	14
7560015BKS & 7560015AMBKS	15	20-415	10	14
7560030BKS & 7560030AMBKS	30	20-415	10	14
7560060BKS & 7560060AMBKS	60	20-415	10	14
7560125BKS & 7560125AMBKS	125	24-415	12	17
7560250BKS & 7560250AMBKS	250	24-415	12	17
7560500BKS & 7560500AMBKS	500	28-415	16	22
7561000BKS & 7561000AMBKS	1000	38-415	22	31
Wide Mouth				
7510030BKS & 7510030AMBKS	30	28-415	16	22
7510060BKS & 7510060AMBKS	60	28-415	16	22
7510125BKS & 7510125AMBKS	125	38-415	22	31
7510250BKS & 7510250AMBKS	250	43-415	28	39
7510500BKS & 7510500AMBKS	500	53-415	33	46

