

Diamond RealSeal™ Square Wide Mouth Plastic Laboratory Bottles

NEW ADDITIONS

Diamond RealSeal™ Square Plastic Laboratory Bottles from Globe Scientific meet the requirements of the most demanding applications. These new additions to the Diamond RealSeal offering expand the range with a selection of bottles that store and pack more efficiently than standard round bottles. They are available in several material options.

Like the rest of the Diamond RealSeal line, these new bottles are precision molded from virgin resins for consistent wall thickness and smooth interior and exterior surfaces. The bottles include leak-proof polypropylene caps that are engineered with an integrated seal ring for leak-proof closure.

The Diamond RealSeal™ Difference:

Medical Grade Resins to Meet Demanding Requirements

- USP Class VI for pharma and research applications
- FDA CFR-21 compliant for food contact
- Free of heavy metals and RoHS compliant
- BPA and phthalate free

Precision Molded for Consistent Wall Thickness and Smooth Surfaces

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

Leakproof, Linerless Caps for Secure Closure

- Integrated seal ring molded in cap to prevent leaks
- Linerless cap design to reduce contamination risks associated with liners: wrinkles, tears, wear, corrosion, reaction and leakage

Value

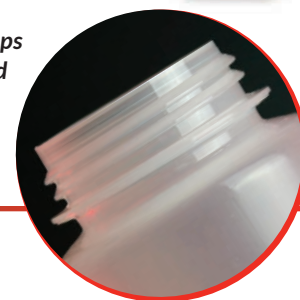
- Laboratory bottle quality and performance with savings associated with "economy" bottles
- Reduced shipping costs compared to glass bottles

Safety/Convenience

- Safe, shatter-resistant alternative to glass bottles
- Lighter than glass for improved handling



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



Diamond RealSeal™ Leak Testing Protocol

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.

Standard leak testing of Diamond RealSeal™ bottles is performed with water. Testing with other liquids may yield different results.

Square Wide Mouth Bottles

These square bottles store and pack efficiently to maximize space utilization. The wide mouths are perfect for sample collection and facilitate the rapid filling and emptying of solids, powders, and viscous liquids.

Polypropylene (PP)

- Suitable for autoclaving at 121°C
- Improved chemical resistance and clarity
- Resistant to most corrosives and suitable for a wide variety of laboratory uses
- Approved for use from -40 to 121°C

Item #	Capacity	Closure Size	Neck I.D.	Bottle Dims.	Height w/Cap	Units
7160060	60mL	25mm	21mm	35mm Sq.	84mm	12 & 72
7160175	175mL	38mm	29mm	52mm Sq.	104mm	12 & 72
7160250	250mL	43mm	33mm	60mm Sq.	115mm	12 & 72
7160500	500L	53mm	44mm	75mm Sq.	144mm	12 & 48
7161000	1000L	63mm	53mm	91mm Sq.	181mm	6 & 24

High-Density Polyethylene (HDPE)

- Safe for freezer storage down to -100°C
- Resistant to most corrosives and suitable for a wide variety of laboratory uses

Item #	Capacity	Closure Size	Neck I.D.	Bottle Dims.	Height w/Cap	Units
7180060	60mL	25mm	21mm	36mm Sq.	83mm	12 & 72
7180175	175mL	38mm	29mm	51mm Sq.	104mm	12 & 72
7180250	250mL	43mm	33mm	60mm Sq.	114mm	12 & 72
7180500	500L	53mm	44mm	73mm Sq.	144mm	12 & 48
7181000	1000L	63mm	53mm	90mm Sq.	181mm	6 & 24

Amber High-Density Polyethylene (HDPE)

- Reduce UV Light transmission to protect light sensitive contents during storage and transport
- Comply with US Pharmacopeia requirements for maximum light transmission
- Safe for freezer storage down to -100°C
- Resistant to most corrosives

Item #	Capacity	Closure Size	Neck I.D.	Bottle Dims.	Height w/Cap	Units
7180060AM	60mL	25mm	21mm	36mm Sq.	83mm	12 & 72
7180175AM	175mL	38mm	29mm	51mm Sq.	104mm	12 & 72
7180250AM	250mL	43mm	33mm	60mm Sq.	114mm	12 & 72
7180500AM	500L	53mm	44mm	73mm Sq.	144mm	12 & 48
7181000AM	1000L	63mm	53mm	90mm Sq.	181mm	6 & 24

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