

# Diamond RealSeal™



NEW!

# Large Format Plastic Laboratory Bottles

Diamond RealSeal™ Large Format Plastic Laboratory Bottles from Globe Scientific meet the requirements of the most demanding applications. These new additions to the Diamond RealSeal offering expand the application range to volumes up to 8 liters with several material and design 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 above 1000mL:

- Bottles are filled to 80% of nominal capacity, closed per minimum torque requirements
- Bottles are inverted and inspected for leakage
- Bottles are partially inverted with water in contact with closure for 24 hours and are inspected for leakage

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

# Large Format Wide Mouth Bottles

- Wide mouth provides easy filling and access to bulk reagents and large samples
- Suitable for freezer storage down to -100° C

## Low-Density Polyethylene (LDPE)

- Better clarity than HDPE
- Flexible with excellent impact resistance

| Item #  | Capacity | Closure Size | Neck I.D. | Bottle O.D. | Height w/Cap | Units  |
|---------|----------|--------------|-----------|-------------|--------------|--------|
| 7022000 | 2L       | 100mm        | 90mm      | 118mm       | 245mm        | EA & 6 |

## 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

| Item #    | Capacity | Closure Size | Neck I.D. | Bottle O.D. | Height w/Cap | Units  |
|-----------|----------|--------------|-----------|-------------|--------------|--------|
| 7012000AM | 2L       | 100mm        | 90mm      | 118mm       | 245mm        | EA & 6 |

Ask for the RealSeal™ Bottle brochure to see our full offering of wide mouth large format bottles or visit our website at [www.globescientific.com](http://www.globescientific.com).



# Large Format Narrow Mouth Bottles

- Narrow mouth bottles improve pouring of liquid contents making them perfect for collecting and storing liquids
- 4 Liter and 8 Liter bottles have an integrated shoulder loop for attaching an I.D. tag

## 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
- Amber polypropylene bottles reduce UV Light transmission to protect light sensitive contents during storage and transport
- Amber bottles comply with US Pharmacopeia requirements for maximum light transmission

| Item #  | Capacity | Closure Size | Neck I.D. | Bottle O.D. | Height w/Cap | Units  |
|---------|----------|--------------|-----------|-------------|--------------|--------|
| 7052000 | 2L       | 38mm         | 27mm      | 118mm       | 252mm        | EA & 6 |
| 7054000 | 4L       | 38mm         | 26mm      | 154mm       | 340mm        | EA & 6 |
| 7058000 | 8L       | 53mm         | 39mm      | 195mm       | 415mm        | EA & 6 |

### AMBER

|           |    |      |      |       |       |        |
|-----------|----|------|------|-------|-------|--------|
| 7052000AM | 2L | 24mm | 27mm | 118mm | 252mm | EA & 6 |
| 7054000AM | 4L | 28mm | 26mm | 154mm | 340mm | EA & 6 |
| 7058000AM | 8L | 38mm | 39mm | 195mm | 415mm | EA & 6 |

## Low-Density Polyethylene (LDPE)

- Better clarity than HDPE
- Flexible with excellent impact resistance
- Suitable for freezer storage down to -100° C

| Item #  | Capacity | Closure Size | Neck I.D. | Bottle O.D. | Height w/Cap | Units  |
|---------|----------|--------------|-----------|-------------|--------------|--------|
| 7072000 | 2L       | 38mm         | 27mm      | 118mm       | 252mm        | EA & 6 |
| 7074000 | 4L       | 38mm         | 26mm      | 154mm       | 340mm        | EA & 6 |
| 7078000 | 8L       | 53mm         | 39mm      | 195mm       | 415mm        | EA & 6 |



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