

Purolite® Packaging Options



Just ask Purolite.

PUROLITE®
ION EXCHANGE RESINS

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PUROLITE
ION EXCHANGE RESINS

Purolite is recognized for its commitment to the ion exchange resin market. We supply a complete range of products that have been expertly designed to provide optimum performance in a wide array of specific end use markets. Many of these products were developed based upon customer requests to address specific needs using ion exchange resin technology. This flexibility has proven to be a valuable asset for Purolite customers.

Commitment to customer satisfaction does not stop with resin technology and new product development. Purolite also strives to deliver value-added performance throughout the entire supply chain. Our packaging options ensure that our products are delivered to you in the best possible manner. Whether you need small bags, drums, boxes, bulk bags, or tankers, Purolite can supply the product you need in the appropriate packaging. We also produce and ship our products globally, so we are well versed in the latest international packaging standards and shipping regulations.

Our packaging options range from bulk bags, corrugated containers and fiber drums to vapor resistance plastic bags and FDA approved open head drums. Each option represents the optimal mix of performance and value that best fits your particular needs.

Purolite not only supplies a broad range of ion exchange resins for many different applications and markets, we also offer many flexible options for packaging and shipment as well.

Bulk Bags

Bulk bags are a very cost effective method of shipping large quantities of ion exchange resins. We provide two sizes — 1.0 m³ (35 cf) and 1.2 m³ (42 cf) capacities. The bags are made of UV treated woven polypropylene with 4 lifting straps for easy handling with typical plant equipment such as fork lifts and overhead cranes.

The bags we provide have filling and discharge spouts to make material handling efficient. The filled bags are sized correctly for typical pallets and allow for easy handling and storage.



| Bag Description m ³ (cf) | Dimensions cm (in) | Wt. Capacity Kg (lb) | Lifting Loops | Style | Spouts cm (in) |
|--|-----------------------------------|-------------------------|---------------|------------------------|--------------------------|
| 1.0 (35) Bag | 89 x 89 x 102 (35 x 35 x 40) | 1136 (2500) | 4 | Woven polypropylene | 50.8 x 43.2 (20 x 17) |
| 1.2 (42) Bag | 102 x 102 x 104 (40 x 40 x 41) | 1364 (3000) | 4 | Woven polypropylene | 50.8 x 43.2 (20 x 17) |

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Bulk Boxes

Another cost effective option for shipping large quantities of Purolite products are large cardboard boxes. They can provide a convenient option for on-road transport and are suitable for operations that are not subject to rough handling or exposed to adverse conditions during storage. They are made from sturdy corrugated material with a protective lining and easy lift-off tops. They are securely strapped and shipped on standard pallets.



| Box Description | Dimensions L x W x H cm (in) | Capacity m ³ (cf) | Packaging Plant |
|---------------------|--|------------------------------|-----------------|
| 1.0 Cubic Meter Box | N.A. | 1 (35.3) | China |
| 20 cf Box | 119.4 x 81.3 x 73.2 (42.5 x 32 x 28.8) | 0.6 (20) | USA |
| 40 cf Box | 108 x 108 x 97.8 (42.5 x 42.5 x 38.5) | 1.1 (40) | USA |
| 1000 liter Octabin | 110 (W) x 115 (H) | 1 (35.3) | Romania |

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Fiber Drums

Fiber drums are selected to provide the necessary strength and heavy duty construction for rough handling and stacking tiers. The drums can be supplied with either single or double linings to ensure the contents are protected from high humidity environments.

Fiber drums are used to supply all our products except UltraClean™ (UCW), Purolite® nuclear grade (NRW), and Purolite® mixed bed (MB) ion exchange resins.

Special blue fiber drums are used to package our FDA grade products produced at our plant in Romania.



| Drum Description | Dimensions cm (in) | Fill Capacity liter (cf) | Packaging Plant |
|------------------------------|---------------------------|--------------------------|-----------------|
| 38.5 gal Brown Drum – Fiber | 47 x 85.1 (18.5 x 33.25) | 146 (5.0) | USA |
| 56 kg Blue Drum – Fiber | 49.2 x 83.8 (19 3/8 x 33) | 108 (3.8) | Romania |
| 90 kg Blue Drum – Fiber | 58.4 x 89.9 (23 x 35 3/8) | 164 (5.8) | Romania |
| 25 liter Brown Drum – Fiber | 30 x 38 (11.8 x 15.0) | 25 (0.9) | China |
| 50 liter Brown Drum – Fiber | 40 x 60 (101.6 x 152.4) | 50 (1.8) | China |
| 150 liter Brown Drum – Fiber | N.A. | 150 (5.5) | China |
| 200 liter Brown Drum – Fiber | 56 x 84 (22 x 23) | 200 (7.1) | China |
| 207 liter Brown Drum – Fiber | 58.1 x 83.5 (22.9 x 32.9) | 207 (7.3) | Romania |
| 200 liter Blue Drum – Steel | 61 x 88.3 (24 x 34.8) | 200 (7.1) | Romania, China |

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1.0 cf Box and Plastic Bags

1.0 cf (0.03 m³) and 25 liter bags, and 1.0 cf (0.03 m³) boxes are available for most of our products that require transfer in smaller quantities. Plastic bags are highly vapor and moisture resistant to ensure long storage stability. They are heat sealed during packaging to further enhance longevity.

1.0 cf boxes offer easy transfer of smaller quantities and are easily stackable for more convenient storage. The 1.0 cf boxes are also certified and approved for expedited shipping by many shipping companies such as UPS.®



| Bag Description | Dimensions L x W cm (in) | Bag opening size/Box Height | Capacity liter (cf) | Sealing Method | Packaging Plant |
|--------------------------------|------------------------------|--------------------------------|------------------------|-------------------|--------------------|
| 1.0 cf Bag Opaque Plastic | 45 x 54 (18.9 x 21.2) | 120 mm | 28.3 (1.0) | Heat | USA |
| 25 liter Bag Opaque Plastic | 47 x 53.5 (18.5 x 21.0) | 130 mm | 25 (0.9) | Heat | All |
| 25 liter Bag Opaque Plastic | 40 x 76.0 (15.7 x 29.9) | 100 mm | 25 (0.9) | Heat | Romania |
| 1.0 cf Box Cardboard | 35.6 x 50.8 (14.0 x 20.0) | 20.3 cm (8 in) | 28.3 (1.0) | N.A. | USA |

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Plastic Drums

Purolite packages select high purity products in its UltraClean (UCW) line of ion exchange resins in these 50 liter plastic drums. The drums come with convenient side handles and a large open top for improved handling that allows for easy removal of resin while discharging the container. These plastic drums are also ideal for overseas shipments. They are extremely strong and more difficult to damage when compared to common fiber drums.



| Drum Description | Dimensions cm (in) | Fill Capacity liter | Opening | Sealing Method | Packaging Plant |
|------------------------------------|-------------------------|---------------------|----------|----------------|-----------------|
| 5 liter – Red PE Plastic Tub | 22 x 20 (8.7 x 7.9) | 5 | Open top | Plastic Top | Romania |
| 25 liter – Blue HDPE Plastic Drum | 32 x 45 (12.6 x 17.7) | 25 | Open top | Screw Top | China |
| 50 liter – Blue HDPE Plastic Drum | 39 x 58 (15.4 x 22.8) | 50 | Open top | Screw Top | China |
| 50 liter – Blue HDPE Plastic Drum | 2mm wall + side handles | 50 | Open top | Metal Bung | Romania |
| 200 liter – Blue HDPE Plastic Drum | 59 x 98 (23.2 x 38.6) | 200 | Open top | Screw Top | China |

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Tank Truck

Purolite can also accommodate large-scale deliveries for high volume applications from our Philadelphia USA location only. Our tank trucks will hold between 800 cf and 900 cf of selective ion exchange resin products. These bulk deliveries provide an efficient and cost effective delivery option for many of our customers. The use of tank trucks for resin transport enables faster loading and unloading times for the ion exchange vessels.



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Packaging Drums

| Packaging Type | Dimensions | Product Family** | Plants that use these containers | Lining Used | Sealing Method | Shipping Options |
|------------------------|---|------------------------------|----------------------------------|--|-------------------|-----------------------|
| 5 cf fiber drum | 18.5" x 33.25" | All | USA | Single or double liner | Plastic top | Truck – 5 per pallet |
| 25 liter fiber drum | 30 cm x 38 cm Brown | All | China | Single or double liner | Plastic top | Truck – 24 per pallet |
| 50 liter fiber drum | 40 cm x 60 cm Brown | All | China | Single or double liner | Plastic top | Truck – 8 per pallet |
| 150 liter fiber drum | 5 cf Brown | All | China | Single or double liner | Plastic top | Truck – 5 per pallet |
| 200 liter fiber drum | 56 cm x 84 cm Brown | All | China | Single or double liner | Plastic top | Truck – 4 per pallet |
| 56 kg fiber drum | 19 3/8" x 33" Blue | Pharm | USA, Romania | Single or double liner | Metal Bung | Truck – 5 per pallet |
| 90 kg fiber drum | 23" x 35 3/8" Blue | Pharm | USA, Romania | Single or double liner | Metal Bung | Truck – 4 per pallet |
| 207 liter fiber drum | 58.3 cm x 83.5 cm Brown | All | Romania | Single liner | Plastic screw top | Truck – 8 per pallet |
| 5 liter plastic tub | 22 (D) mm x 200 (H) mm Blue | All | Romania | Single liner | Plastic screw top | Truck – 8 per pallet |
| 25 liter plastic drum | 32 (D) cm x 45 (H) cm Blue | All | China | Single or double liner | Plastic screw top | Truck – 24 per pallet |
| 50 liter plastic drum | 39 (D) cm x 58 (H) cm Blue | All | China | Single or double liner | Plastic screw top | Truck – 8 per pallet |
| 200 liter plastic drum | 59 (D) cm x 98 (H) cm | Blue All | China | Single or double liner | Plastic screw top | Truck – 4 per pallet |
| 50 liter plastic drum | std open top HDPE with side handles Blue – 2mm wall | UCW 9964, UCW 9966, UCW 3700 | USA, Romania | Single or double liner N ₂ purged | Metal Bung | Truck – 9 per pallet |
| 200 liter steel drum | 61 cm x 88.3 cm | All | Romania, China | Single or double liner | Metal Bung | Truck – 4 per pallet |

**UCW – Purolite® UltraClean™ Resins; NRW – Purolite® Nuclear Resins; MB – Purolite® Mixed Bed Resins; Pharm – Purolite® Pharmaceutical Grade Resins

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Packaging Bags and Boxes

| Packaging Type | Dimensions | Product Family** | Plants that use these containers | Lining Used | Sealing Method | Shipping Options |
|-------------------------------|---|--------------------------|----------------------------------|-----------------------------|--------------------------------|------------------------------|
| 25 liter Valve Bag | 45 cm x 54 cm x 12 cm White opaque plastic film | All except UCW, NRW & MB | USA | None | Valve | Truck – 40 per pallet |
| 25 liter Bag | 44 cm x 76 cm x 10 cm White opaque plastic film | MB | China, Romania | None | Heat Sealed | Truck – 40 per pallet |
| 1 cf Valve Bag | 47 cm x 53.5 cm x 14 cm White opaque plastic film | All except UCW, NRW & MB | USA | None | Valve | Truck – 42 per pallet |
| 1 cf Box | 14" x 8" x 20.5" | All | USA | Single or double | Cardboard top | UPS Truck – 40 per pallet |
| 1.0 m ³ Super Sack | 35" x 35" x 40" Coated polypropylene, 4 lifting loops, 1136 kg capacity | All | USA, China, Romania | P – Unlined C, R – Liner | Stitched | Truck – 1 per pallet |
| 1.2 m ³ Super Sack | 40" x 40" x 41" Coated polypropylene, 4 lifting loops, 1364 kg capacity | All | USA, China, Romania | Unlined | Stitched | Truck – 1 per pallet |
| 1000 liter Octabin | 110 cm x 115 cm Cardboard | All | Romania | Liner | Cardboard top, Shrink wrapping | Truck – 1 per pallet |
| 1 cubic meter Box | N.A. | Acrylic Anion Resins | China | 1m ³ supersack | Cardboard top | Truck – 1 per pallet |
| 20 cf Box | 42.5" x 32" x 28.75" Cardboard | Special Order | USA | Liner | Cardboard top | Truck – 1 per pallet |
| 40 cf Box | 42.5" x 42.5" x 38.5" Cardboard | Special Order | USA | Liner | Cardboard top | Truck – 1 per pallet |
| Tank Truck | 800 cf – 900cf capacity | All | USA | N.A. | N.A. | N.A. |

**UCW – Purolite® UltraClean™ Resins; NRW – Purolite® Nuclear Resins; MB – Purolite® Mixed Bed Resins; Pharm – Purolite® Pharmaceutical Grade Resins

Contact Us

For further information on any of our products, Please visit our website or contact our corporate headquarters to find the nearest Purolite Corp Office with locations worldwide.

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