PRODUCT DATA SHEET

Purolite™ CriticalResin™ NRW160Li7

Polystyrenic Macroporous, Strong Acid Cation Resin, Lithium7 form, Nuclear Grade

PRINCIPAL APPLICATIONS

- Decontamination - Radioactive circuits

SYSTEMS

- Radioactive Circuits

TYPICAL PACKAGING

- 1 CF Box
- 5 ft³ Drum (Fiber)

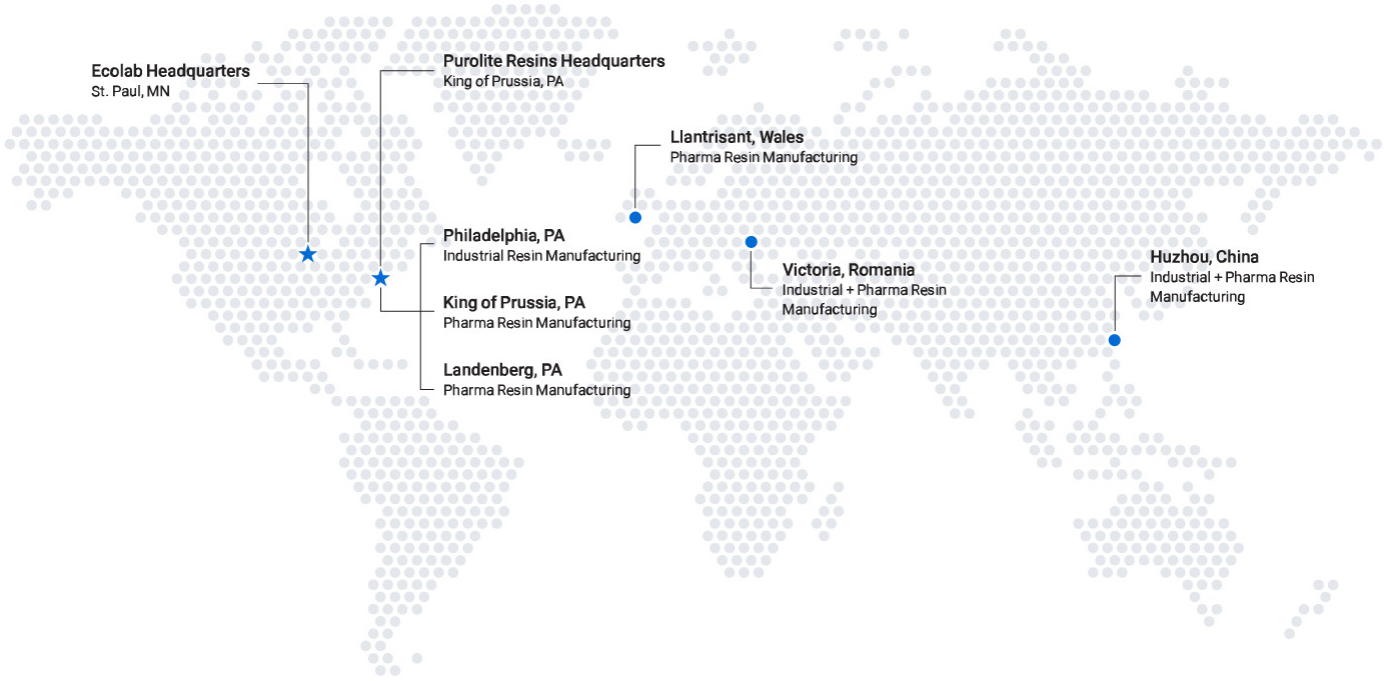
TYPICAL PHYSICAL & CHEMICAL CHARACTERISTICS:

Polymer Structure	Macroporous polystyrene crosslinked with divinylbenzene
Appearance	Spherical Beads
Functional Group	Sulfonic Acid
Ionic Form	$^{7}Li^{+}$ form
Total Capacity (min.)	2.1 eq/L (45.9 Kgr/ft³) ($^{7}Li^{+}$ form)
Moisture Retention	43 - 48 % (H^{+} form)
Particle Size Range	425 - 1200 µm
< 425 µm (max.)	2 %
Uniformity Coefficient (max.)	1.7
Conversion (min.)	99.9 % ($^{7}Li^{+}$ form)
Impurities Iron (max.)	50 ppm
Impurities Sodium (max.)	40 ppm
Impurities Heavy Metals (max.)	40 ppm
Specific Gravity	1.24
Shipping Weight (approx.)	770 - 810 g/L (48.1 - 50.6 lb/ft³)
Temperature Limit	120 °C (248.0 °F)

2026 Purolite
All rights reserved.

Ecolab is a global developer, manufacturer, and supplier of Purolite™ Resins including ion exchange, catalyst adsorbent and advanced polymers that make the world cleaner and healthier.

www.puroliteresins.com



We're ready to solve your process challenges.

For further information on products and services, visit www.puroliteresins.com or complete a Contact Us form via PuroliteResins.com/contact-us or use the QR code.

Contact Us Form:

The statements, technical information and recommendations contained herein are believed to be accurate as of the date hereof. Since the conditions and methods of use of the product and of the information referred to herein are beyond our control, Purolite expressly disclaims any and all liability as to any results obtained or arising from any use of the product or reliance on such information; NO WARRANTY OF FITNESS FOR ANY PARTICULAR PURPOSE, WARRANTY OF MERCHANTABILITY OR ANY OTHER WARRANTY, EXPRESSED OR IMPLIED, IS MADE CONCERNING THE GOODS DESCRIBED OR THE INFORMATION PROVIDED HEREIN. The information provided herein relates only to the specific product designated and may not be applicable when such product is used in combination with other materials or in any process. Nothing contained herein constitutes a license to practice under any patent and it should not be construed as an inducement to infringe any patent and the user is advised to take appropriate steps to be sure that any proposed use of the product will not result in patent infringement.

2026 Purolite
All rights reserved.