

Purolite™ CriticalResin™ NRW3670Li7

Polystyrenic Gel, Gel, Mixed Bed
Resin, Lithium7 form, Hydroxide
form, Nuclear Grade

PRINCIPAL APPLICATIONS

- pH control of primary coolant

TYPICAL PACKAGING

- 1 CF Box
- 5 ft³ Drum (Fiber)
- 25 L Sack - Heat sealed
- 50 L Drum (Plastic)

TYPICAL PHYSICAL & CHEMICAL CHARACTERISTICS:

Appearance	Spherical Beads	
Particle Size Range	425 - 1200 µm	
< 425 µm (max.)	2 %	
Uniformity Coefficient (max.)	1.7	
Impurities Iron (max.)	50 ppm	
Impurities Sodium (max.)	30 ppm	
Impurities Heavy Metals (max.)	40 ppm	
Shipping Weight (approx.)	720 - 755 g/L (45.0 - 47.2 lb/ft³)	
Temperature Limit, Non-Regenerable Bed	100 °C (212.0 °F)	
Temperature Limit, Regenerable Bed	60 °C (140.0 °F)	
Component Name	Gel Strong Acid Cation	Gel Strong Base Anion
Polymer Structure	Gel polystyrene crosslinked with divinylbenzene	Gel polystyrene crosslinked with divinylbenzene
Functional Group	Sulfonic Acid	Type I Quaternary Ammonium
Ionic Form	⁷ Li ⁺ form	OH ⁻ form
Cation / Anion Chemical Equivalent Ratio	1	1
Total Capacity (min.)	2.4 eq/L (⁷ Li ⁺ form)	1.2 eq/L (OH ⁻ form)
Conversion (min.)	99.9 % (⁷ Li ⁺ form)	95 % (OH ⁻ form)
Anionic Form, CO ₃ ²⁻ (max.)		5 %
Anionic Form, SO ₄ ²⁻ (max.)		0.1 %
Anionic Form, Cl ⁻ (max.)		0.1 %
Specific Gravity	1.26	1.08

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.

