

# Purolite™ CriticalResin™ NRW3560Li7

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

## PRINCIPAL APPLICATIONS

- pH control of primary coolant

## SYSTEMS

- Primary Coolant

## TYPICAL PACKAGING

- 1 CF Box
- 5 ft³ Drum (Fiber)

## 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	
Anionic Form, CO <sub>3</sub> <sup>2-</sup> (max.)	5 %	
Anionic Form, SO <sub>4</sub> <sup>2-</sup> (max.)	0.1 %	
Anionic Form, Cl <sup>-</sup> (max.)	0.1 %	
Shipping Weight (approx.)	720 - 750 g/L (45.0 - 46.9 lb/ft³)	
Temperature Limit, Non-Regenerable Bed	100 °C (212.0 °F)	
Temperature Limit, Regenerable Bed	60 °C (140.0 °F)	
Component Name	Lithium7 Macroporous Strong Acid Cation	Gel Strong Base Anion
Polymer Structure	Macroporous polystyrene crosslinked with divinylbenzene	Gel polystyrene crosslinked with divinylbenzene
Functional Group	Sulfonic Acid	Type I Quaternary Ammonium
Ionic Form	<sup>7</sup> Li <sup>+</sup> form	OH <sup>-</sup> form
Cation / Anion Chemical Equivalent Ratio	1	1
Total Capacity (min.)	2.1 eq/L ( <sup>7</sup> Li <sup>+</sup> form)	1.1 eq/L (OH <sup>-</sup> form)
Conversion (min.)	99.9 % ( <sup>7</sup> Li <sup>+</sup> form)	95 % (OH <sup>-</sup> form)
Specific Gravity	1.24	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.

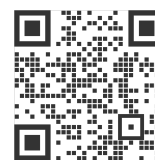
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