

PRODUCT DATA SHEET

Purolite® NRW1160Li7

Polystyrenic Gel, Strong Acid Cation
Resin, Lithium7 form, Uniform
Particle Size, Nuclear Grade

PRINCIPAL APPLICATIONS

- pH control of primary coolant

ADVANTAGES

- High operating capacity
- Highly converted to Lithium7 form

SYSTEMS

- Primary Coolant

TYPICAL PACKAGING

- 1 CF Box
- 5 ft³ Drum (Fiber)

TYPICAL PHYSICAL & CHEMICAL CHARACTERISTICS:

Polymer Structure	Gel polystyrene crosslinked with divinylbenzene
Appearance	Spherical Beads
Functional Group	Sulfonic Acid
Ionic Form	⁷ Li ⁺ form
Total Capacity	2.4 eq/L (52.4 Kgr/ft ³) (⁷ Li ⁺ form)
Moisture Retention	33 - 40 % (⁷ Li ⁺ form)
Mean Diameter	625 ± 75 µm
Uniformity Coefficient (max.)	1.2
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	1.26
Shipping Weight (approx.)	790 - 830 g/L (49.4 - 51.9 lb/ft ³)
Temperature Limit	120 °C (248.0 °F)



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