

Purolite® NRW1100Li7

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

Polymer Structure	Gel polystyrene crosslinked with divinylbenzene
Appearance	Spherical Beads
Functional Group	Sulfonic Acid
Ionic Form	⁷ Li ⁺ form
Total Capacity	2 eq/L (43.7 Kgr/ft³) (⁷ Li ⁺ form)
Moisture Retention	46 - 50 % (H ⁺ form)
Mean Diameter	650 ± 50 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	1.25
Shipping Weight (approx.)	780 - 820 g/L (48.8 - 51.2 lb/ft³)
Temperature Limit	120 °C (248.0 °F)



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