PRODUCT DATA SHEET

Purolite® NRW1000Li

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

PRINCIPAL APPLICATIONS

- Decontamination - Lithiated primary circuits
- Mixed Bed cation component
- pH control of primary coolant

ADVANTAGES

- Highly converted to Lithium form
- Minimal residual metals
- Low organic extractables and rinseables
- Good physical and chemical stability

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	$^{6}Li^{+}$ form
Total Capacity	1.8 eq/L (39.3 Kgr/ft³) (H^{+} form)
Moisture Retention	51 - 55 % (H^{+} form)
Mean Diameter	570 ± 50 µm
Uniformity Coefficient (max.)	1.2
Conversion (min.)	99.9 % ($^{6}Li^{+}$ form)
Impurities Iron (max.)	50 ppm
Impurities Sodium (max.)	40 ppm
Impurities Heavy Metals (max.)	40 ppm
Specific Gravity	1.23
Shipping Weight (approx.)	765 - 805 g/L (47.8 - 50.3 lb/ft³)
Temperature Limit	120 °C (248.0 °F)

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