PRODUCT DATA SHEET

Purolite®
NRW100Li7

Polystyrenic Gel, Strong Acid Cation Resin, Lithium7 form, Nuclear Grade

LENNTECH
WATER TREATMENT SOLUTIONS

PRINCIPAL APPLICATIONS

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

ADVANTAGES

- Highly converted to Lithium7 form
- Minimal residual metals
- Low organic extractables and rinseables
- Good physical and chemical stability

SYSTEMS

- Radioactive Circuits

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	1.8 eq/L (39.3 Kgr/ft³) ($^{7}Li^{+}$ form)
Moisture Retention	51 - 55 % (H^{+} form)
Particle Size Range	425 - 1200 µm
< 425 µm (max.)	2 %
Uniformity Coefficient (max.)	1.7
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	1.23
Shipping Weight (approx.)	775 - 815 g/L (48.4 - 50.9 lb/ft³)
Temperature Limit	120 °C (248.0 °F)

Purolite®

LENNTECH
info@lenntech.com Tel. +31-152-610-900
www.lenntech.com Fax. +31-152-616-289