PRODUCT DATA SHEET

Purolite™ CriticalResin™ NRW160Li7

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

PRINCIPAL APPLICATIONS

- Decontamination - Radioactive circuits

SYSTEMS

- Radioactive Circuits

TYPICAL PACKAGING

- 1 CF Box
- 5 ft³ Drum (Fiber)

TYPICAL PHYSICAL & CHEMICAL CHARACTERISTICS:

Polymer Structure	Macroporous polystyrene crosslinked with divinylbenzene
Appearance	Spherical Beads
Functional Group	Sulfonic Acid
Ionic Form	$^{7}Li^{+}$ form
Total Capacity (min.)	2.1 eq/L (45.9 Kgr/ft³) ($^{7}Li^{+}$ form)
Moisture Retention	43 - 48 % (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	1.24
Shipping Weight (approx.)	770 - 810 g/L (48.1 - 50.6 lb/ft³)
Temperature Limit	120 °C (248.0 °F)

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