PRODUCT DATA SHEET

Purolite®
NRW1100

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

PRINCIPAL APPLICATIONS

- Decontamination - Lithiated primary circuits
- Mixed Bed cation component
- Layering - Added cation capacity

SYSTEMS

- Cation resin vessels

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	H^+ form
Total Capacity	2 eq/L (43.7 Kgr/ft³) (H^+ form)
Moisture Retention	46 - 50 % (H^+ form)
Mean Diameter	650 ± 50 µm
Uniformity Coefficient (max.)	1.2
Conversion (min.)	99.9 % (H^+ form)
Impurities Iron (max.)	50 ppm
Impurities Sodium (max.)	40 ppm
Impurities Heavy Metals (max.)	40 ppm
Specific Gravity	1.22
Shipping Weight (approx.)	760 - 800 g/L (47.5 - 50.0 lb/ft³)
Temperature Limit	120 °C (248.0 °F)

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