

PRODUCT DATA SHEET

Purolite® NRW1180

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

PRINCIPAL APPLICATIONS

- Secondary circuit polishing
- Demineralization - Spent Fuel Pool

ADVANTAGES

- High operating capacity

SYSTEMS

- Spent Fuel Pool

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	2.6 eq/L (56.8 Kgr/ft³) (H ⁺ form)
Moisture Retention	30 - 35 % (H ⁺ form)
Particle Size Range	425 - 1200 µm
< 425 µm (max.)	2 %
Uniformity Coefficient (max.)	1.7
Conversion (min.)	99.9 % (H ⁺ form)
Impurities Iron (max.)	50 ppm
Impurities Sodium (max.)	40 ppm
Impurities Heavy Metals (max.)	40 ppm
Temperature Limit	120 °C (248.0 °F)



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