

## PRODUCT DATA SHEET

# Purolite® NRW150

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

## PRINCIPAL APPLICATIONS

- Radioactive Isotope Removal

## TYPICAL PACKAGING

- 1 CF Box
- 5 ft<sup>3</sup> Drum (Fiber)

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WATER TREATMENT SOLUTIONS

## TYPICAL PHYSICAL & CHEMICAL CHARACTERISTICS:

Polymer Structure	Macroporous polystyrene crosslinked with divinylbenzene
Appearance	Spherical Beads
Functional Group	Sulfonic Acid
Ionic Form	H <sup>+</sup> form
Total Capacity	1.6 eq/L (35.0 Kgr/ft <sup>3</sup> ) (H <sup>+</sup> form)
Moisture Retention	54 - 99 % (H <sup>+</sup> form)
Particle Size Range	425 - 1200 µm
< 425 µm (max.)	2 %
Uniformity Coefficient (max.)	1.7
Conversion (min.)	99.9 % (H <sup>+</sup> form)
Impurities Iron (max.)	50 ppm
Impurities Sodium (max.)	40 ppm
Impurities Heavy Metals (max.)	40 ppm
Specific Gravity	1.18
Shipping Weight (approx.)	740 - 775 g/L (46.2 - 48.4 lb/ft <sup>3</sup> )
Temperature Limit	120 °C (248.0 °F)



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