

# Purolite™ CriticalResin™ NRW100QR

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

## PRINCIPAL APPLICATIONS

- Cation Conductivity Monitoring

## ADVANTAGES

- Color change from amber to dark red when in exhausted form.

## 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 <sup>+</sup> form                             |
| Total Capacity (min.)  | 1.7 eq/L (37.1 Kgr/ft³) (H <sup>+</sup> form)   |
| Moisture Retention   | 53 - 57 % (H <sup>+</sup> form)                 |
| Particle Size Range  | 300 - 1200 µm                                   |
| < 300 µm (max.)  | 1 %   |
| Uniformity Coefficient (max.)                                | 1.7   |
| Conversion (min.)  | 99.9 % (H <sup>+</sup> form)                    |
| Reversible Swelling, Na <sup>+</sup> → H <sup>+</sup> (max.) | 8 %   |
| Impurities Iron (max.)                                       | 50 ppm  |
| Impurities Sodium (max.)                                     | 40 ppm  |
| Impurities Heavy Metals (max.)                               | 40 ppm  |
| Specific Gravity   | 1.20  |
| Shipping Weight (approx.)                                    | 755 - 790 g/L (47.2 - 49.4 lb/ft³)              |
| Temperature Limit  | 120 °C (248.0 °F)                               |

Ecolab is a global developer, manufacturer, and supplier of Purolite™ Resins including ion exchange, catalyst adsorbent and advanced polymers that make the world cleaner and healthier.

[www.puroliteresins.com](http://www.puroliteresins.com)



We're ready to solve your process challenges.

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