

PRODUCT DATA SHEET

Purolite™ CriticalResin™ NRW3240

Polystyrenic Gel, Gel, Mixed Bed
Resin, Hydrogen form, Hydroxide
form, Nuclear Grade

PRINCIPAL APPLICATIONS

- Primary coolant polishing

SYSTEMS

- Clean-up systems

TYPICAL PACKAGING

- 1 CF Box
- 5 ft³ Drum (Fiber)
- 25 L Sack - Heat sealed

TYPICAL PHYSICAL & CHEMICAL CHARACTERISTICS:

Appearance	Spherical Beads	
Particle Size Range	425 - 1200 µm	
Uniformity Coefficient (max.)	1.7	
Impurities Iron (max.)	50 ppm	
Impurities Sodium (max.)	30 ppm	
Impurities Heavy Metals (max.)	40 ppm	
Shipping Weight (approx.)	705 - 740 g/L (44.1 - 46.2 lb/ft³)	
Temperature Limit, Non-Regenerable Bed	100 °C (212.0 °F)	
Temperature Limit, Regenerable Bed	60 °C (140.0 °F)	
Component Name	Gel Strong Acid Cation	Gel Strong Base Anion
Polymer Structure	Gel polystyrene crosslinked with divinylbenzene	Gel polystyrene crosslinked with divinylbenzene
Functional Group	Sulfonic Acid	Type I Quaternary Ammonium
Ionic Form	H ⁺ form	OH ⁻ form
Cation / Anion Chemical Equivalent Ratio	1	1
Total Capacity (min.)	1.8 eq/L (H ⁺ form)	1 eq/L (OH ⁻ form)
Conversion (min.)	99.9 % (H ⁺ form)	95 % (OH ⁻ form)
Specific Gravity	1.20	1.07
Anionic Form, CO ₃ ²⁻ (max.)		5 %
Anionic Form, SO ₄ ²⁻ (max.)		0.1 %
Anionic Form, Cl ⁻ (max.)		0.1 %

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.



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