

Purolite® NRW3460

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)

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	
Anionic Form, CO ₃ ²⁻ (max.)	5 %	
Anionic Form, SO ₄ ²⁻ (max.)	0.1 %	
Anionic Form, Cl ⁻ (max.)	0.1 %	
Shipping Weight (approx.)	715 - 750 g/L (44.7 - 46.9 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.)	2 eq/L (H ⁺ form)	1.1 eq/L (OH ⁻ form)
Conversion (min.)	99.9 % (H ⁺ form)	95 % (OH ⁻ form)



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