

Purolite® NRW3670

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

PRINCIPAL APPLICATIONS

- Condensate Polishing - High Purity
- Reactor water clean-up

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	
< 425 µm (max.)	2 %	
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.)	720 - 755 g/L (45.0 - 47.2 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.)	2.5 eq/L (H ⁺ form)	1.15 eq/L (OH ⁻ form)



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Conversion (min.)	99.9 % (H ⁺ form)	95 % (OH ⁻ form)
Specific Gravity	1.23	1.08



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