

PRODUCT DATA SHEET

Purolite® NRW600XLC

Polystyrenic Gel, Type I Strong Base
Anion Resin, Hydroxide form, Extra
Low Chloride, Nuclear Grade

PRINCIPAL APPLICATIONS

- Condensate Polishing
- Condensate Anion underlay
- Mixed Bed anion component
- Primary coolant purification
- High Boron and Lithium coolant

ADVANTAGES

- Excellent physical and chemical stability
- Minimal chloride release
- Highly converted to hydroxide form
- Low organic extractables and rinseables
- High operating capacity

SYSTEMS

- CVCS online bed
- BWR & PWR Condensate polishing

TYPICAL PACKAGING

- 1 CF Box
- 5 ft³ Drum (Fiber)

* Shelf life of 12 months

TYPICAL PHYSICAL & CHEMICAL CHARACTERISTICS:

Polymer Structure	Gel polystyrene crosslinked with divinylbenzene
Appearance	Spherical Beads
Functional Group	Type I Quaternary Ammonium
Ionic Form	OH ⁻ form
Total Capacity	1.1 eq/L (24.0 Kgr/ft ³) (OH ⁻ form)
Moisture Retention	43 - 48 % (Cl ⁻ form)
Particle Size Range	425 - 1200 µm
< 425 µm (max.)	2 %
Uniformity Coefficient (max.)	1.7
Conversion (min.)	95 % (OH ⁻ form)
Anionic Form, CO ₃ ²⁻ (max.)	5 %
Anionic Form, SO ₄ ²⁻ (max.)	0.1 %
Anionic Form, Cl ⁻ (max.)	0.05 %
Impurities Iron (max.)	50 ppm
Impurities Sodium (max.)	20 ppm
Impurities Heavy Metals (max.)	30 ppm
Specific Gravity	1.08
Shipping Weight (approx.)	680 - 715 g/L (42.5 - 44.7 lb/ft ³)



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Temperature Limit, Non-Regenerable Bed 100 °C (212.0 °F) (OH⁻ form)

Temperature Limit, Regenerable Bed 60 °C (140.0 °F) (OH⁻ form)



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