

PRODUCT DATA SHEET

Purolite® NRW5010XLC

Polystyrenic Macroporous, Type I
Strong Base Anion Resin, Hydroxide
form, High Porosity, Extra Low
Chloride, Nuclear Grade

PRINCIPAL APPLICATIONS

- Anion overlay
- Primary coolant polishing
- High Boron and Lithium coolant

ADVANTAGES

- Minimal chloride release
- Very fine colloid removal

* Shelf life of 12 months

SYSTEMS

- CVCS online bed

TYPICAL PACKAGING

- 1 CF Box
- 5 ft³ Drum (Fiber)

TYPICAL PHYSICAL & CHEMICAL CHARACTERISTICS:

Polymer Structure	Macroporous polystyrene crosslinked with divinylbenzene
Appearance	Spherical Beads
Functional Group	Type I Quaternary Ammonium
Ionic Form	OH ⁻ form
Total Capacity	0.4 eq/L (8.7 Kgr/ft ³) (OH ⁻ form)
Moisture Retention	70 - 75 % (Cl ⁻ form)
Particle Size Range	425 - 1200 µm
< 425 µm (max.)	2 %
Uniformity Coefficient (max.)	1.8
Conversion (min.)	95 % (OH ⁻ form)
Anionic Form, CO ₃ ²⁻ (max.)	5 %
Anionic Form, SO ₄ ²⁻ (max.)	0.3 %
Anionic Form, Cl ⁻ (max.)	0.05 %
Impurities Iron (max.)	50 ppm
Impurities Sodium (max.)	20 ppm
Impurities Heavy Metals (max.)	30 ppm
Shipping Weight (approx.)	590 - 630 g/L (36.9 - 39.4 lb/ft ³)
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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