

PRODUCT DATA SHEET

Purolite® NRW6000

Polystyrenic Gel, Type I Strong
Base Anion Resin, Hydroxide form,
Uniform Particle Size, Nuclear Grade

LENNTECH
WATER TREATMENT SOLUTIONS

PRINCIPAL APPLICATIONS

- Steam Generator blowdown purification
- CVCS Deborating of Primary coolant
- Radwaste decontamination
- Mixed Bed anion component
- Anion Underlay

ADVANTAGES

- Minimal residual chlorides and sulfates
- Minimal residual metals
- Low organic extractables and rinseables
- High operating capacity

SYSTEMS

- Make up water demineralizers
- Primary Coolant
- Radwaste

TYPICAL PACKAGING

- 1 CF Box
- 5 ft³ Drum (Fiber)

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)
Mean Diameter	625 ± 75 µm
Uniformity Coefficient (max.)	1.2
Conversion (min.)	95 % (OH ⁻ form)
Impurities Iron (max.)	50 ppm
Impurities Sodium (max.)	20 ppm
Impurities Heavy Metals (max.)	30 ppm
Anionic Form, CO ₃ ²⁻ (max.)	5 %
Anionic Form, SO ₄ ²⁻ (max.)	0.1 %
Anionic Form, Cl ⁻ (max.)	0.1 %
Specific Gravity	1.08
Shipping Weight (approx.)	660 - 700 g/L (41.2 - 43.8 lb/ft ³)
Temperature Limit, Non-Regenerable Bed	100 °C (212.0 °F) (OH ⁻ form)



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