

PRODUCT DATA SHEET

Purolite® NRW1000Li7

Polystyrenic Gel, Strong Acid Cation
Resin, Lithium7 form, Uniform
Particle Size, Nuclear Grade

PRINCIPAL APPLICATIONS

- Decontamination - Lithiated primary circuits
- Mixed Bed cation component
- pH control of primary coolant

ADVANTAGES

- Highly converted to Lithium7 form
- Minimal residual metals
- Low organic extractables and rinseables
- Good physical and chemical stability

SYSTEMS

- Primary Coolant

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	Sulfonic Acid
Ionic Form	⁷ Li ⁺ form
Total Capacity	1.8 eq/L (39.3 Kgr/ft ³) (⁷ Li ⁺ form)
Moisture Retention	51 - 55 % (H ⁺ form)
Mean Diameter	570 ± 50 µm
Uniformity Coefficient (max.)	1.2
Conversion (min.)	99.9 % (⁷ Li ⁺ form)
Impurities Iron (max.)	50 ppm
Impurities Sodium (max.)	40 ppm
Impurities Heavy Metals (max.)	40 ppm
Specific Gravity	1.23
Shipping Weight (approx.)	765 - 805 g/L (47.8 - 50.3 lb/ft ³)
Temperature Limit	120 °C (248.0 °F)



Americas

T +1 610 668 9090
F +1 610 668 8139
americas@purolite.com

EMEA

T +44 1443 229334
F +44 1443 227073
europe@purolite.com

Asia Pacific

T +86 571 876 31382
F +86 571 876 31385
asiapacific@purolite.com

FSU

T +7 495 363 5056
F +7 495 564 8121
fsu@purolite.com

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T +1 610 668 9090
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EMEA

T +44 1443 229334
F +44 1443 227073
europe@purolite.com

Asia Pacific

T +86 571 876 31382
F +86 571 876 31385
asiapacific@purolite.com

FSU

T +7 495 363 5056
F +7 495 564 8121
fsu@purolite.com