

PRODUCT DATA SHEET

Purolite® C100EDL

Polystyrenic Gel, Strong Acid Cation Resin, Sodium form, Layered Bed grade, Potable Water Grade

PRINCIPAL APPLICATIONS

- Demineralization - Potable Water
- Demineralization – Food and Beverage

ADVANTAGES

- Good separation

SYSTEMS

- Mixed Bed
- Layered Beds

REGULATORY APPROVALS

- Compliant with FDA Regulation 21 CFR 173.25 for Food Treatment, Ion Exchangers
- Compliant with Europe Resolution ResAP (2004)3

TYPICAL PACKAGING

- 1 ft³ Sack
- 25 L Sack
- 5 ft³ Drum (Fiber)
- 1 m³ Supersack
- 42 ft³ Supersack

TYPICAL PHYSICAL & CHEMICAL CHARACTERISTICS:

Polymer Structure	Gel polystyrene crosslinked with divinylbenzene
Appearance	Spherical Beads
Functional Group	Sulfonic Acid
Ionic Form	Na ⁺ form
Total Capacity	1.9 eq/L (41.5 Kgr/ft ³) (Na ⁺ form)
Moisture Retention	46 - 50 % (Na ⁺ form)
Particle Size Range	600 - 1250 µm
< 600 µm (max.)	2 %
Uniformity Coefficient (max.)	1.5
Reversible Swelling, Na ⁺ → H ⁺ (max.)	10 %
Reversible Swelling, Ca ²⁺ → Na ⁺ (max.)	8 %
Specific Gravity	1.27
Shipping Weight (approx.)	800 - 840 g/L (50.0 - 52.5 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
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