PRODUCT DATA SHEET

Purolite™ C104EFFPlus

Polyacrylic Porous, Weak Acid Cation Resin, Hydrogen form, Potable Water Grade

PRINCIPAL APPLICATIONS

- Dealkalization
- Deionization
- Softening

ADVANTAGES

- High chemical efficiency
- Excellent uptake of alkaline earth metals
- High operating capacity
- Free flowing

SYSTEMS

- Potable Water

REGULATORY APPROVALS

- Certified by the WQA to NSF/ANSI-61 Standard
- Water Regulations Advisory Scheme Approved

TYPICAL PACKAGING

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

TYPICAL PHYSICAL & CHEMICAL CHARACTERISTICS:

Polymer Structure	Porous crosslinked polyacrylic acid
Appearance	Spherical Beads
Functional Group	Carboxylic Acid
Ionic Form	H^+ form
Total Capacity (min.)	4.7 eq/L (102.7 Kgr/ft³) (H^+ form)
Moisture Retention	45 - 55 % (H^+ form)
Particle Size Range	300 - 1600 µm
< 300 µm (max.)	1 %
Reversible Swelling, $H^+ \rightarrow Ca^{2+}$ (max.)	20 %
Reversible Swelling, $H^+ \rightarrow Ca^{2+}$ (operating)	7% (approximately)
Reversible Swelling, $H^+ \rightarrow Na^+$ (max.)	70 %
Specific Gravity	1.19
Shipping Weight (approx.)	740 - 780 g/L (46.2 - 48.8 lb/ft³)
Temperature Limit	120 °C (248.0 °F)

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