

PRODUCT DATA SHEET

Purolite® A870C

Polyacrylic Gel, Mixed Base Anion,
Free Base / Chloride form

PRINCIPAL APPLICATIONS

- Natural-Organic-Matter-(NOM)-Removal
- Strong Acid Removal
- Weak Acid removal

ADVANTAGES

- High operating capacity
- Good resistance to fouling
- Efficient regeneration

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 polyacrylic crosslinked with divinylbenzene
Appearance	Spherical Beads
Functional Group	Quaternary and Tertiary Ammonium
Ionic Form	FB/Cl ⁻
Total Capacity	1.25 eq/L (27.3 Kgr/ft ³) (Cl ⁻ form)
Moisture Retention	56 - 62 % (Cl ⁻ form)
Particle Size Range	425 - 1200 µm
< 425 µm (max.)	2 %
Uniformity Coefficient (max.)	1.6
Irreversible Swelling (max.)	10 %
Reversible Swelling, Cl ⁻ → OH ⁻ (max.)	10 %
Specific Gravity	1.08
Shipping Weight (approx.)	680 - 730 g/L (42.5 - 45.6 lb/ft ³)
Temperature Limit	35 °C (95.0 °F) (OH ⁻ form)



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