

PRODUCT DATA SHEET

Purolite® A870

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

PRINCIPAL APPLICATIONS

- Organic Matter Removal
- Strong Acid Removal
- Weak Acid removal

ADVANTAGES

- High operating capacity
- Good resistance to fouling

REGULATORY APPROVALS

- IFANCA Halal Certified
- Kosher Certified

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	300 - 1200 µm
< 300 µm (max.)	1 %
Uniformity Coefficient (max.)	1.7
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)



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