

## PRODUCT DATA SHEET

# Purolite® A870

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

## REGULATORY APPROVALS

- IFANCA Halal Certified
- Kosher Certified

## TYPICAL PACKAGING

- 1 ft<sup>3</sup> Sack
- 25 L Sack
- 5 ft<sup>3</sup> Drum (Fiber)
- 1 m<sup>3</sup> Supersack
- 42 ft<sup>3</sup> 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 <sup>-</sup>
Total Capacity	1.25 eq/L (27.3 Kgr/ft <sup>3</sup> ) (Cl <sup>-</sup> form)
Moisture Retention	56 - 62 % (Cl <sup>-</sup> form)
Particle Size Range	300 - 1200 µm
< 300 µm (max.)	1 %
Uniformity Coefficient (max.)	1.7
Irreversible Swelling (max.)	10 %
Reversible Swelling, Cl <sup>-</sup> → OH <sup>-</sup> (max.)	10 %
Specific Gravity	1.08
Shipping Weight (approx.)	680 - 730 g/L (42.5 - 45.6 lb/ft <sup>3</sup> )
Temperature Limit	35 °C (95.0 °F) (OH <sup>-</sup> 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

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

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**Americas**

T +1 610 668 9090  
F +1 610 668 8139  
[americas@purolite.com](mailto:americas@purolite.com)

**EMEA**

T +44 1443 229334  
F +44 1443 227073  
[europa@purolite.com](mailto:europa@purolite.com)

**Asia Pacific**

T +86 571 876 31382  
F +86 571 876 31385  
[asiapacific@purolite.com](mailto:asiapacific@purolite.com)

**FSU**

T +7 495 363 5056  
F +7 495 564 8121  
[fsu@purolite.com](mailto:fsu@purolite.com)