

## PRODUCT DATA SHEET

# Purolite® A850DL

Polyacrylic Gel, Strong Base Anion Resin, Chloride form, Layered Bed grade

### PRINCIPAL APPLICATIONS

- Demineralization - High organics water

### ADVANTAGES

- Excellent resistance to organic fouling
- Efficient regeneration

### SYSTEMS

- Layered Beds

### 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 Ammonium
Ionic Form	Cl <sup>-</sup> form
Total Capacity	1.25 eq/L (27.3 Kgr/ft <sup>3</sup> ) (Cl <sup>-</sup> form)
Moisture Retention	57 - 62 %
Particle Size Range	630 - 1200 µm
< 630 µm (max.)	5 %
Uniformity Coefficient (max.)	1.4
Irreversible Swelling (max.)	10 %
Reversible Swelling, Cl <sup>-</sup> → OH <sup>-</sup> (max.)	15 %
Specific Gravity	1.09
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)



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