

PRODUCT DATA SHEET

Purolite® A444DL

Polystyrenic Gel, Type I Strong Base
Anion Resin, Chloride form, Layered
Bed grade

PRINCIPAL APPLICATIONS

- Natural-Organic-Matter-(NOM)-
Removal

SYSTEMS

- Layered Beds

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 polystyrene crosslinked with divinylbenzene
Appearance	Spherical Beads
Functional Group	Type I Quaternary Ammonium
Ionic Form	Cl ⁻ form
Total Capacity	1.1 eq/L (24.0 Kgr/ft³) (Cl ⁻ form)
Moisture Retention	50 - 60 % (Cl ⁻ form)
Particle Size Range	630 - 1200 µm
< 630 µm (max.)	5 %
Uniformity Coefficient (max.)	1.4
Reversible Swelling, Cl ⁻ → OH ⁻ (max.)	30 %
Specific Gravity	1.07
Shipping Weight (approx.)	660 - 700 g/L (41.2 - 43.8 lb/ft³)
Temperature Limit	100 °C (212.0 °F) (Cl ⁻ form)
Temperature Limit	60 °C (140.0 °F) (OH ⁻ form)



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