

PRODUCT DATA SHEET

Purolite® PCA433

Polystyrenic Gel, Type I Strong Base
Anion Resin, Chloride form,
Chromatographic Grade

PRINCIPAL APPLICATIONS

- Separation of ions and ionizable materials

ADVANTAGES

- Excellent resistance to osmotic shock
- Excellent resistance to thermal shock

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
- Bulk Tanker (NA only)

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	1.3 eq/L (28.4 Kgr/ft ³) (Cl ⁻ form)
Moisture Retention	48 - 57 %
Particle Size Range	150 - 300 µm
< 150 µm (max.)	15 %
Uniformity Coefficient (max.)	1.4
Reversible Swelling, Cl ⁻ → OH ⁻ (max.)	30 %
Specific Gravity	1.08
Shipping Weight (approx.)	650 - 690 g/L (40.6 - 43.1 lb/ft ³)
Temperature Limit	100 °C (212.0 °F) (Cl ⁻ form)
Temperature Limit	60 °C (140.0 °F) (OH ⁻ form)



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