

## 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 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
- 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 <sup>-</sup> form
Total Capacity (min.)	1.3 eq/L (28.4 Kgr/ft <sup>3</sup> ) (Cl <sup>-</sup> form)
Moisture Retention	48 - 57 %
Particle Size Range	150 - 350 µm
< 150 µm (max.)	15 %
Uniformity Coefficient (max.)	1.4
Reversible Swelling, Cl <sup>-</sup> → OH <sup>-</sup> (max.)	30 %
Specific Gravity	1.08
Shipping Weight (approx.)	650 - 690 g/L (40.6 - 43.1 lb/ft <sup>3</sup> )
Temperature Limit	100 °C (212.0 °F) (Cl <sup>-</sup> form)
Temperature Limit	60 °C (140.0 °F) (OH <sup>-</sup> form)

Ecolab is a global developer, manufacturer, and supplier of Purolite™ Resins including ion exchange, catalyst adsorbent and advanced polymers that make the world cleaner and healthier.

[www.puoliteresins.com](http://www.puoliteresins.com)



We're ready to solve your process challenges.

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