

## PRODUCT DATA SHEET

# Purolite™ Purofine™ PFA445

Polystyrenic Gel, Type I Strong Base  
Anion Resin, Chloride form, Uniform  
Particle Size

## PRINCIPAL APPLICATIONS

- Uranium Extraction
- Sorption of anionic heavy metals

## ADVANTAGES

- High operating capacity
- Excellent physical stability
- Good kinetic performance

## 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 polystyrene crosslinked with divinylbenzene
Appearance	Spherical Beads
Functional Group	Type I Quaternary Ammonium
Ionic Form	Cl <sup>-</sup> form
Total Capacity (min.)	1.4 eq/L (30.6 Kgr/ft <sup>3</sup> ) (Cl <sup>-</sup> form)
Moisture Retention	50 - 55 %
Mean Diameter	575 ± 50 µm
Uniformity Coefficient (max.)	1.2
Reversible Swelling, Cl <sup>-</sup> → OH <sup>-</sup> (max.)	25 %
Temperature Limit	100 °C (212.0 °F) (Cl <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.

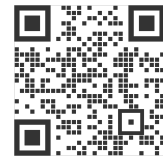
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