

## PRODUCT DATA SHEET

# Purolite® A400PL

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

### PRINCIPAL APPLICATIONS

- Demineralization - Industrial Water
- Silica Removal

### ADVANTAGES

- Efficient regeneration
- High flow rates

### 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	1.3 eq/L (28.4 Kgr/ft <sup>3</sup> ) (Cl <sup>-</sup> form)
Moisture Retention	48 - 54 % (Cl <sup>-</sup> form)
Particle Size Range	425 - 1000 µm
< 425 µm (max.)	2 %
Uniformity Coefficient (max.)	1.6
Reversible Swelling, Cl <sup>-</sup> → OH <sup>-</sup> (max.)	30 %
Specific Gravity	1.08
Shipping Weight (approx.)	680 - 710 g/L (42.5 - 44.4 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)



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