

## PRODUCT DATA SHEET

# Purolite® A420S

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

### PRINCIPAL APPLICATIONS

- Reversible uptake of large organic molecules
- Demineralization - Sugar solutions

### ADVANTAGES

- High sorptive capacity
- Efficient regeneration

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WATER TREATMENT SOLUTIONS

### REGULATORY APPROVALS

- 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

### 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	0.8 eq/L (17.5 Kgr/ft <sup>3</sup> ) (Cl <sup>-</sup> form)
Moisture Retention	60 - 65 % (Cl <sup>-</sup> form)
Particle Size Range	425 - 1200 µm
< 425 µm (max.)	2 %
Uniformity Coefficient (max.)	1.6
Reversible Swelling, Cl <sup>-</sup> → OH <sup>-</sup> (max.)	20 %
Shipping Weight (approx.)	675 - 705 g/L (42.2 - 44.1 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)



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