

# Purolite® PCA441

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

## PRINCIPAL APPLICATIONS

- Chromatography - Sugar

## ADVANTAGES

- Efficient separation

## SYSTEMS

- Simulated Moving Bed  
Chromatographic Systems

## TYPICAL PACKAGING

- 35 ft³ 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 <sup>-</sup> form
Total Capacity	1.4 eq/L (30.6 Kgr/ft³) (Cl <sup>-</sup> form)
Moisture Retention	47 - 51 % (Cl <sup>-</sup> form)
Particle Size Range	250 - 350 µm
Mean Diameter	300 ± 15 µm
Reversible Swelling, Cl <sup>-</sup> → OH <sup>-</sup> (max.)	25 %
Specific Gravity	1.08 (approximately)
Shipping Weight (approx.)	670 - 710 g/L (41.9 - 44.4 lb/ft³)
Temperature Limit	100 °C (212.0 °F) (Cl <sup>-</sup> form)
Temperature Limit	60 °C (140.0 °F) (OH <sup>-</sup> form)



**Americas**  
T +1 610 668 9090  
F +1 610 668 8139  
americas@purolite.com

**EMEA**  
T +44 1443 229334  
F +44 1443 227073  
europe@purolite.com

**Asia Pacific**  
T +86 571 876 31382  
F +86 571 876 31385  
asiapacific@purolite.com

**FSU**  
T +7 495 363 5056  
F +7 495 564 8121  
fsu@purolite.com

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F +86 571 876 31385  
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**FSU**

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