

# Purolite® PCR833Ca

Polystyrenic Gel, Strong Acid Cation  
Resin, Calcium form,  
Chromatographic Grade

## PRINCIPAL APPLICATIONS

- Chromatography - Sugar
- Fructose enrichment

## TYPICAL PACKAGING

- 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	Sulfonic Acid
Ionic Form	Ca <sup>++</sup>
Total Capacity	2.0 eq/L (43.7 Kgr/ft <sup>3</sup> ) (Na <sup>+</sup> form)
Moisture Retention	44 - 48 % (Na <sup>+</sup> form)
Moisture Retention	51 - 55 % (H <sup>+</sup> form)
Mean Diameter	250 ± 25 µm
Uniformity Coefficient (max.)	1.4
Conversion (min.)	98 %
Specific Gravity	1.23
Shipping Weight (approx.)	785 - 815 g/L (49.1 - 50.9 lb/ft <sup>3</sup> )
Temperature Limit	120 °C (248.0 °F) (H <sup>+</sup> form)
Temperature Limit	140 °C (284.0 °F) (Na <sup>+</sup> form)



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