

## PRODUCT DATA SHEET

# Purolite® C100E

Polystyrenic Gel, Strong Acid Cation  
Resin, Sodium form, Potable Water  
Grade

## PRINCIPAL APPLICATIONS

- Softening - Potable Water
- Food and beverage processing
- Softening - Industrial

## ADVANTAGES

- Efficient regeneration
- Good kinetic performance
- Low extractables

## REGULATORY APPROVALS

- Compliant with FDA Regulation 21 CFR 173.25 for Food Treatment, Ion Exchangers
- Kosher Certified
- Certified by the WQA to NSF/ANSI-61 Standard

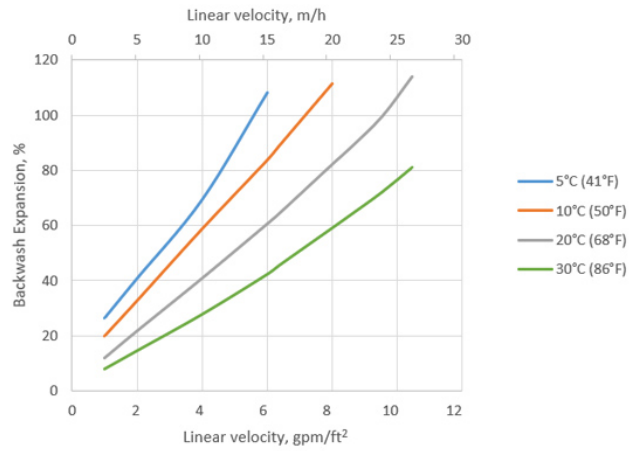
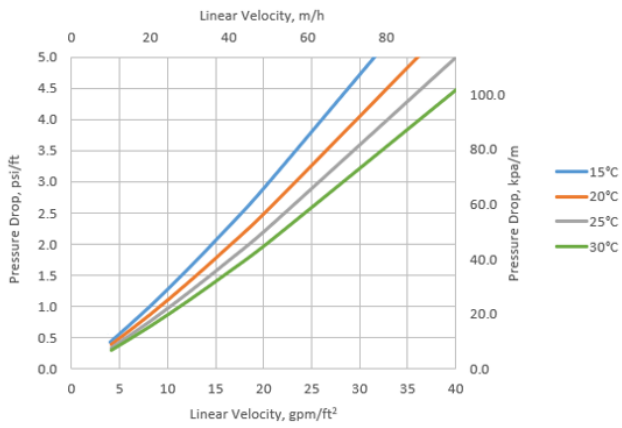
## TYPICAL PACKAGING

- 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	Sulfonic Acid
Ionic Form	Na <sup>+</sup> form
Total Capacity (min.)	1.9 eq/L (41.5 Kgr/ft <sup>3</sup> ) (Na <sup>+</sup> form)
Moisture Retention	46 - 50 % (Na <sup>+</sup> form)
Particle Size Range	300 - 1200 µm
< 300 µm (max.)	1 %
Uniformity Coefficient (max.)	1.7
Reversible Swelling, Na <sup>+</sup> → H <sup>+</sup> (max.)	10 %
Reversible Swelling, Ca <sup>2+</sup> → Na <sup>+</sup> (max.)	8 %
Specific Gravity	1.27
Shipping Weight (approx.)	800 - 840 g/L (50.0 - 52.5 lb/ft <sup>3</sup> )
Temperature Limit	120 °C (248.0 °F)

# Hydraulic Characteristics





Algeria  
Australia  
Bahrain  
Brazil  
Canada  
China  
Czech Republic  
France  
Germany

India  
Indonesia  
Israel  
Italy  
Japan  
Jordan  
Kazakhstan  
Korea  
Malaysia

Mexico  
Morocco  
New Zealand  
Poland  
Romania  
Russia  
Singapore  
Slovak Republic  
South Africa

Spain  
Taiwan  
Tunisia  
Turkey  
UK  
Ukraine  
USA  
Uzbekistan



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