

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

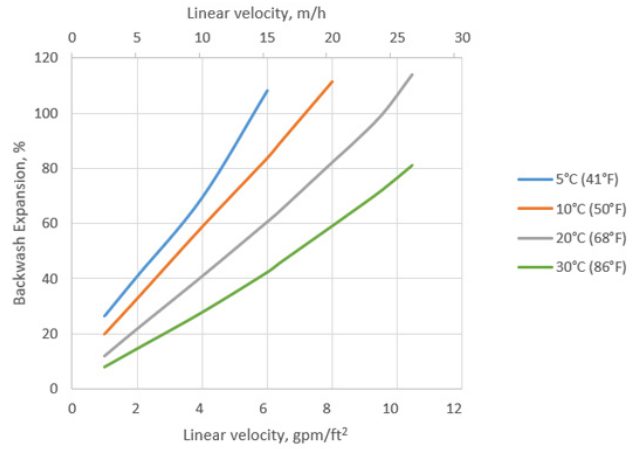
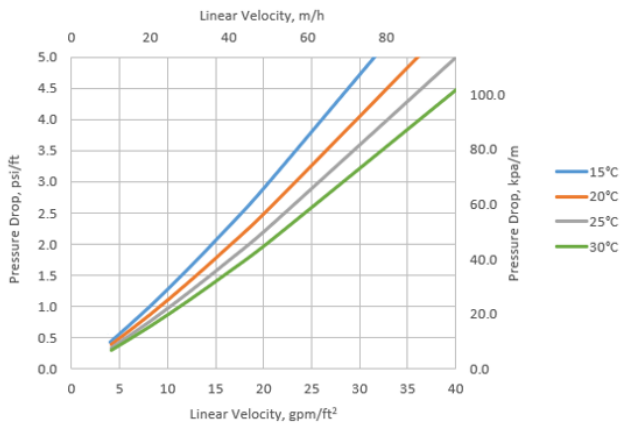
TYPICAL PACKAGING

- 1 ft³ Sack
- 25 L Sack
- 5 ft³ Drum (Fiber)
- 1 m³ Supersack
- 42 ft³ Supersack

TYPICAL PHYSICAL & CHEMICAL CHARACTERISTICS:

| | |
|--|---|
| Polymer Structure | Gel polystyrene crosslinked with divinylbenzene |
| Appearance | Spherical Beads |
| Functional Group | Sulfonic Acid |
| Ionic Form | Na ⁺ form |
| Total Capacity (min.) | 1.9 eq/L (41.5 Kgr/ft ³) (Na ⁺ form) |
| Moisture Retention | 46 - 50 % (Na ⁺ form) |
| Particle Size Range | 300 - 1200 µm |
| < 300 µm (max.) | 1 % |
| Uniformity Coefficient (max.) | 1.7 |
| Reversible Swelling, Na ⁺ → H ⁺ (max.) | 10 % |
| Reversible Swelling, Ca ²⁺ → Na ⁺ (max.) | 8 % |
| Specific Gravity | 1.27 |
| Shipping Weight (approx.) | 800 - 840 g/L (50.0 - 52.5 lb/ft ³) |
| 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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