

PRODUCT DATA SHEET

Purolite® C100x10

Polystyrenic Gel, Strong Acid Cation
Resin, Sodium form

PRINCIPAL APPLICATIONS

- Softening - Industrial
- Industrial demineralization when regenerated with acids

ADVANTAGES

- Higher selectivity for sodium than standard resins
- Superior resistance to oxidation
- Excellent physical and chemical stability
- High operating capacity

SYSTEMS

- Coflow regenerated systems
- Conventional counterflow systems

REGULATORY APPROVALS

- IFANCA Halal Certified
- Kosher Certified
- Certified by the WQA to NSF/ANSI-61 Standard

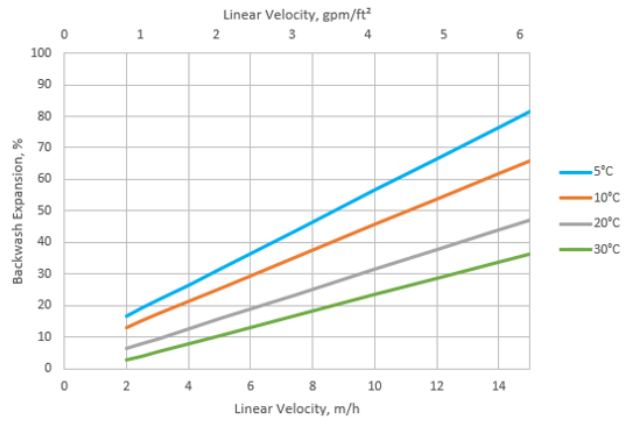
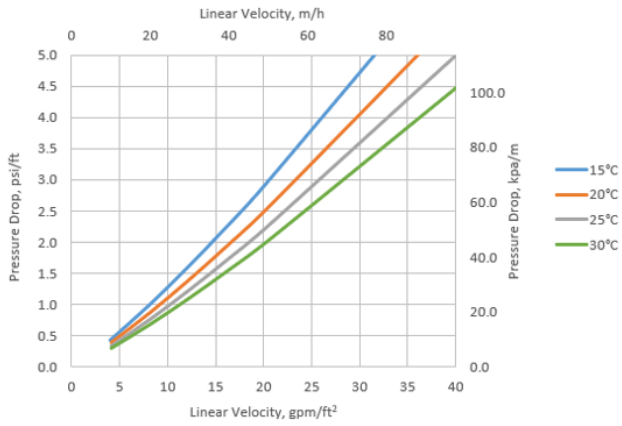
TYPICAL PACKAGING

- 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.)	2.2 eq/L (48.1 Kgr/ft ³) (Na ⁺ form)
Moisture Retention	40 - 43 % (Na ⁺ form)
Particle Size Range	300 - 1200 µm
< 300 µm (max.)	1 %
Uniformity Coefficient (max.)	1.7
Reversible Swelling, Na ⁺ → H ⁺ (max.)	8 %
Specific Gravity	1.3
Shipping Weight (approx.)	820 - 860 g/L (51.2 - 53.8 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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