

PRODUCT DATA SHEET

Purofine® PFC100H

Polystyrenic Gel, Strong Acid Cation
Resin, Hydrogen form, Uniform
Particle Size

PRINCIPAL APPLICATIONS

- Demineralization - Industrial Water

ADVANTAGES

- Efficient regeneration
- High operating capacity
- Efficient separation
- Lower pressure drop versus standard resin
- Good physical and chemical stability

SYSTEMS

- Co-flow and Counter-flow systems

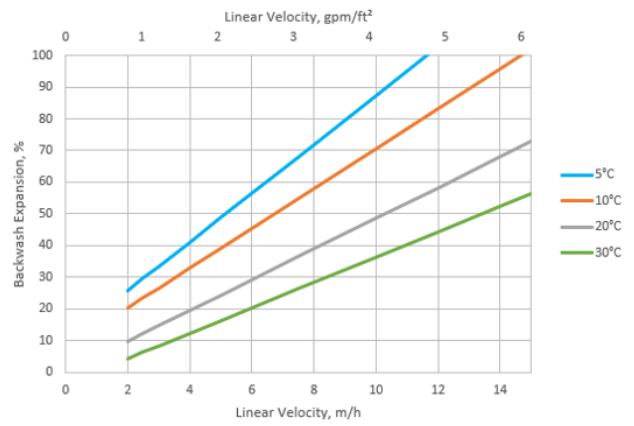
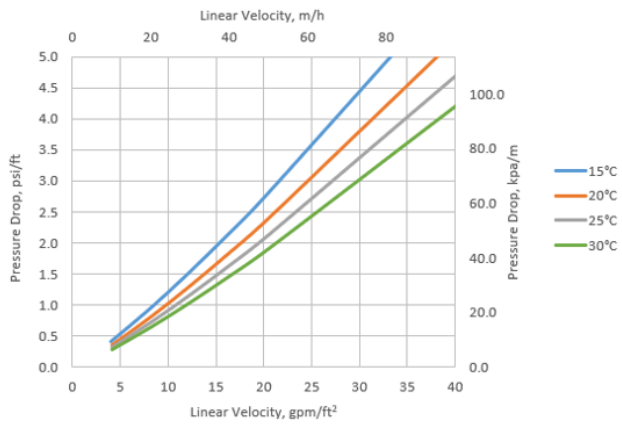
TYPICAL PACKAGING

- 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	H ⁺ form
Total Capacity (min.)	2.0 eq/L (43.7 Kgr/ft³) (Na ⁺ form)
Moisture Retention	51 - 55 % (H ⁺ form)
Mean Diameter	590 ± 50 µm
Uniformity Coefficient (max.)	1.1 - 1.2
Reversible Swelling, Na ⁺ → H ⁺ (max.)	9 %
Specific Gravity	1.2
Shipping Weight (approx.)	745 - 785 g/L (46.6 - 49.1 lb/ft³)
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
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