

# Purofine® PFC104Plus

Polyacrylic Porous, Weak Acid  
Cation Resin, Hydrogen form,  
Uniform Particle Size

## PRINCIPAL APPLICATIONS

- Dealkalization
- Deionization of aqueous organic solutions

## ADVANTAGES

- High operating capacity

## SYSTEMS

- Aqueous organic solutions

## TYPICAL PACKAGING

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

## TYPICAL PHYSICAL & CHEMICAL CHARACTERISTICS:

Polymer Structure	Porous crosslinked polyacrylic acid
Appearance	Spherical Beads
Functional Group	Carboxylic Acid
Ionic Form	H <sup>+</sup> form
Total Capacity	4.7 eq/L (102.7 Kgr/ft³) (H <sup>+</sup> form)
Moisture Retention	45 - 55 % (H <sup>+</sup> form)
Mean Diameter	570 ± 50 µm
Uniformity Coefficient	1.1 - 1.2
Reversible Swelling, H <sup>+</sup> → Ca <sup>2+</sup> (max.)	20 %
Reversible Swelling, H <sup>+</sup> → Ca <sup>2+</sup> (operating)	7% (approximately)
Reversible Swelling, H <sup>+</sup> → Na <sup>+</sup> (max.)	60 %
Specific Gravity	1.19
Shipping Weight (approx.)	730 - 770 g/L (45.6 - 48.1 lb/ft³)
Temperature Limit	120 °C (248.0 °F)



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