

PRODUCT DATA SHEET

Puorpack® PPC104Plus

**Polyacrylic Porous Weak Acid
Cation Resin Hydrogen form,
Uniform Particle Size, Packed Bed
Grade**

PRINCIPAL APPLICATIONS

- Dealkalization
- Deionization
- Softening

ADVANTAGES

- High operating capacity
- Uniform Particle Size

SYSTEMS

- Aqueous organic solutions
- Packed Bed Systems

TYPICAL PACKAGING

- 1 CF Sack
- 25 L Sack
- 5 CF Drum (Fiber)
- 1 M³ Supersack
- 42 CF Supersack

TYPICAL PHYSICAL & CHEMICAL CHARACTERISTICS:

Polymer Structure	Porous crosslinked polyacrylic acid
Appearance	Spherical beads
Functional Group	Carboxylic Acid
Ionic Form	H ⁺
Total Capacity	4.5 eq/L (98.3 Kgr/ft ³) (H ⁺ form)
Moisture Retention	45 - 55 % (H ⁺ form)
Mean Diameter	750 ± 100 µm
Uniformity Coefficient	1.2 - 1.4
Reversible Swelling, H ⁺ → Ca ²⁺ (max.)	20 %
Reversible Swelling, H ⁺ → Ca ²⁺ (operating)	7 * %
Reversible Swelling, H ⁺ → Na ⁺ (max.)	70 %
Specific Gravity	1.19
Shipping Weight (approx.)	740 - 780 g/L (46.2 - 48.8 lb/ft ³)
Temperature Limit	120 °C (248.0 °F)
Footnote	(approximately)



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