

PRODUCT DATA SHEET

Puorack® PPA500Plus

Polystyrenic Macroporous Type I
Strong Base Anion Resin
Chloride form

PRINCIPAL APPLICATIONS

- Demineralization

ADVANTAGES

- Excellent resistance to osmotic and physical shock
- Good reversible sorptive capacity

SYSTEMS

- Counterflow regenerated systems
- 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	Macroporous polystyrene crosslinked with divinylbenzene
Appearance	Spherical beads
Functional Group	Type I Quaternary Ammonium
Ionic Form	Cl ⁻
Total Capacity	1.15 eq/L (25.1 Kgr/ft³) (Cl ⁻ form)
Moisture Retention	57 - 63 % (Cl ⁻ form)
Mean Diameter	750 ± 100 µm
Uniformity Coefficient	1.2 - 1.4
Reversible Swelling, Cl ⁻ → OH ⁻ (max.)	20 %
Specific Gravity	1.08
Shipping Weight (approx.)	670 - 700 g/L (41.9 - 43.8 lb/ft³)
Temperature Limit	100 °C (212.0 °F) (Cl ⁻ form)
Temperature Limit	65 °C (149.0 °F) (OH ⁻ form)



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