

PRODUCT DATA SHEET

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

TYPICAL PHYSICAL & CHEMICAL CHARACTERISTICS:

| | |
|---|---|
| Polymer Structure | Macroporous polystyrene crosslinked with divinylbenzene |
| Appearance | Spherical Beads |
| Functional Group | Type I Quaternary Ammonium |
| Ionic Form | Cl ⁻ form |
| 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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