

PRODUCT DATA SHEET

Purofine® PFA444

Polystyrenic Gel, Type I Strong Base
Anion Resin, Chloride form, Uniform
Particle Size

PRINCIPAL APPLICATIONS

- Natural-Organic-Matter-(NOM)-Removal
- Color Removal

ADVANTAGES

- High operating capacity
- Exceptional physical stability
- Good kinetic performance

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 | Quaternary Ammonium |
| Ionic Form | Cl ⁻ form |
| Total Capacity | 1.1 eq/L (24.0 Kgr/ft ³) (Cl ⁻ form) |
| Moisture Retention | 50 - 60 % (Cl ⁻ form) |
| Mean Diameter | 570 ± 50 µm |
| Uniformity Coefficient (max.) | 1.3 |
| Reversible Swelling, Cl ⁻ → OH ⁻ (max.) | 30 % |
| Specific Gravity | 1.07 |
| Shipping Weight (approx.) | 660 - 700 g/L (41.2 - 43.8 lb/ft ³) |
| Temperature Limit | 100 °C (212.0 °F) (Cl ⁻ form) |
| Temperature Limit | 60 °C (140.0 °F) (OH ⁻ form) |



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