

PRODUCT DATA SHEET

Purolite® A109

Polystyrenic Macroporous, Weak
Base Anion Resin, Free Base form

PRINCIPAL APPLICATIONS

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

ADVANTAGES

- High porosity
- Excellent resistance to osmotic shock
- Excellent chemical and thermal stability

REGULATORY APPROVALS

- IFANCA Halal Certified

TYPICAL PACKAGING

- 1 ft³ Sack
- 25 L Sack
- 5 ft³ Drum (Fiber)
- 1 m³ Supersack
- 42 ft³ Supersack
- Bulk Tanker (NA only)

TYPICAL PHYSICAL & CHEMICAL CHARACTERISTICS:

Polymer Structure	Macroporous polystyrene crosslinked with divinylbenzene
Appearance	Spherical Beads
Functional Group	Primary Amine
Ionic Form	FB
Total Capacity	1 eq/L (21.8 Kgr/ft ³) (FB form)
SBC	0 - 5 %
Moisture Retention	58 - 65 % (FB form)
Particle Size Range	425 - 1000 µm
< 425 µm (max.)	2 %
Uniformity Coefficient (max.)	1.6
Reversible Swelling, FB → Cl ⁻ (max.)	25 %
Specific Gravity	1.05
Shipping Weight (approx.)	660 - 685 g/L (41.2 - 42.8 lb/ft ³)
Temperature Limit	100 °C (212.0 °F) (Cl ⁻ form)
Temperature Limit	60 °C (140.0 °F) (FB form)



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