

PRODUCT DATA SHEET

Purolite® FerrIX™ A33E

Polystyrenic Macroporous

PRINCIPAL APPLICATIONS

- Arsenic Removal

ADVANTAGES

- Infused with nano-sized particles of iron oxide
- Superior bead strength
- Low pressure drop
- Arsenic removal < 8 ppb
- No need for backwashing during typical operation

REGULATORY APPROVALS

- Certified by the WQA to NSF/ANSI-61 Standard
- OSHA 29CFR 1910.1200 Certified
- Water Regulations Advisory Scheme Approved

TYPICAL PACKAGING

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

** Once the resin is put into service, backwashing is not permitted as this will lead to shortened bed life.*

TYPICAL PHYSICAL & CHEMICAL CHARACTERISTICS:

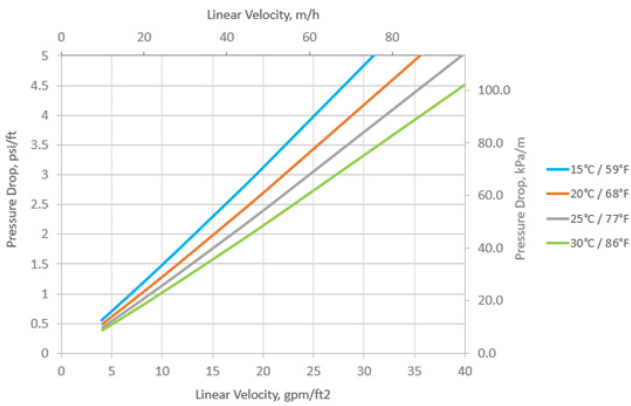
Polymer Structure	Polystyrene crosslinked with divinylbenzene
Appearance	Brown spherical beads
Particle Size Range	300 - 1200 µm
< 300 µm (max.)	1 %
Uniformity Coefficient (max.)	1.7
Shipping Weight (approx.)	720 - 760 g/L (45.0 - 47.5 lb/ft³)
Temperature Limit	80 °C (176.0 °F)
pH limits, Operating	4.5 - 8.5

Hydraulic Characteristics

PRESSURE DROP

The pressure drop across a bed of ion exchange resin depends on the particle size distribution, bed depth, and voids volume of the exchange material, as well as on the flow rate and viscosity of the influent solution. Factors affecting any of these parameters—such as the presence of particulate matter filtered out by the bed, abnormal compressibility of the resin, or the incomplete classification of the bed—will have an adverse effect, and result in an increased head loss. Depending on the quality of the influent water, the application and the design of the plant, service flow rates may vary from 10 to 40 BV/h.

PRESSURE DROP ACROSS RESIN BED



Purolite, an Ecolab company, is a leading manufacturer of quality ion exchange, catalyst, adsorbent and specialty high-performance resins with global sales support.



We're ready to solve your process challenges.

For further information on Purolite products and services, visit www.purolite.com or contact us at the addresses below.

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