

PRODUCT DATA SHEET

Purolite® S940

Polystyrenic Macroporous,
Aminophosphonic Chelating Resin

PRINCIPAL APPLICATIONS

- Brine Decalcification

SYSTEMS

- Chloralkali Process

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	Aminophosphonic
Ionic Form	Na ⁺ form
Calcium Capacity (min.)	20 g/L
Moisture Retention	55 - 65 % (Na ⁺ form)
Particle Size Range	425 - 850 µm
< 425 µm (max.)	2 %
Uniformity Coefficient (max.)	1.4
Reversible Swelling, H ⁺ → Ca ²⁺ (max.)	20 %
Reversible Swelling, H ⁺ → Na ⁺ (max.)	50 %
Specific Gravity	1.13
Shipping Weight (approx.)	710 - 760 g/L (44.4 - 47.5 lb/ft³)
Temperature Limit	90 °C (194.0 °F)



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