

## PRODUCT DATA SHEET

# Purolite® C150TL

Polystyrenic Macroporous, Strong  
Acid Cation Resin, Sodium form,  
Trilite Mixed Bed System

## PRINCIPAL APPLICATIONS

- Demineralization

## ADVANTAGES

- Excellent resistance to osmotic and thermal shock
- Excellent kinetics



## SYSTEMS

- Trilite 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                                             | Sulfonic Acid                                           |
| Ionic Form                                                   | Na <sup>+</sup> form                                    |
| Total Capacity                                               | 1.8 eq/L (39.3 Kgr/ft³) (Na <sup>+</sup> form)          |
| Moisture Retention                                           | 48 - 53 % (Na <sup>+</sup> form)                        |
| Particle Size Range                                          | 710 - 1200 µm                                           |
| < 710 µm (max.)                                              | 1 %                                                     |
| Uniformity Coefficient (max.)                                | 1.3                                                     |
| Reversible Swelling, Na <sup>+</sup> → H <sup>+</sup> (max.) | 4 %                                                     |
| Specific Gravity                                             | 1.25                                                    |
| Shipping Weight (approx.)                                    | 775 - 800 g/L (48.4 - 50.0 lb/ft³)                      |
| Temperature Limit                                            | 120 °C (248.0 °F) (H <sup>+</sup> form)                 |
| Temperature Limit                                            | 140 °C (284.0 °F) (Na <sup>+</sup> form)                |



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