

## PRODUCT DATA SHEET

# Purolite® C100TL

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

## PRINCIPAL APPLICATIONS

- Demineralization - Industrial

## 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                                            | Gel polystyrene crosslinked with divinylbenzene |
| Appearance                                                   | Spherical Beads                                 |
| Functional Group                                             | Sulfonic Acid                                   |
| Ionic Form                                                   | Na <sup>+</sup> form                            |
| Total Capacity                                               | 2 eq/L (43.7 Kgr/ft³) (Na <sup>+</sup> form)    |
| Moisture Retention                                           | 44 - 48 % (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.) | 8 %                                             |
| Specific Gravity                                             | 1.29                                            |
| Shipping Weight (approx.)                                    | 795 - 820 g/L (49.7 - 51.2 lb/ft³)              |
| Temperature Limit                                            | 120 °C (248.0 °F)                               |



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