



## ION EXCHANGE RESIN

## PersaLite™ UPS-1500Na Uniform Particle Size Strong Acid Cation

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### DESCRIPTION AND APPLICATIONS

PersaLite™ UPS-1500Na is a uniform particle size, gel, strong acid cation exchange resin for water softening and demineralization applications in co-flow, counterflow, packed beds, layered beds and mixed beds systems.

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### SPECIFICATIONS

|                         |   |
|-------------------------|---|
| Copolymer:              | Styrene-divinylbenzene                  |
| Matrix:                 | Gel                                     |
| Functional Group:       | Sulfonic Acid                           |
| Physical Form:          | Dark brown beads                        |
| Ionic Form:             | Na <sup>+</sup>                         |
| Total Capacity:         | ≥ 2.0 eq/L (Na <sup>+</sup> form)       |
| Moisture Content:       | 42 – 48 %                               |
| Particle Size:          | 600 ± 50 µm                             |
| Uniformity Coefficient: | ≤ 1.1                                   |
| < 300 µm                | ≤ 0.10 %                                |
| ≥ 850 µm                | ≤ 3.00 %                                |
| Whole Beads Count:      | ≥ 95 %                                  |
| Swelling:               | Na <sup>+</sup> → H <sup>+</sup> : ≤ 8% |
| Particle Density:       | 1.280 g/mL                              |
| Bulk Density:           | 820 g/L (51.2 lb/ft <sup>3</sup> )      |

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### SUGGESTED OPERATING CONDITIONS

|                    |                                  |
|--------------------|----------------------------------|
| Temperature Range: | 5 – 120°C (Na <sup>+</sup> form) |
| pH Range:          | 1 – 14                           |
| Service Flow Rate: | 8 – 40 BV/h                      |

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**Notes:** The information and data are in good faith but without guarantee. Please consult our engineering team for more information before installing and operating the resin. Modifications of the specifications can occur without prior notice. IX resins should be stored in sealed bags in areas with temperatures above 0°C. See MSDS for safety issues.