



ION EXCHANGE RESIN

PersaLite™ UPS-5500OH Uniform Particle Size Strong Base Anion – Type I

DESCRIPTION AND APPLICATIONS

PersaLite™ UPS-5500OH is a uniform particle size, gel, strong base anion exchange resin for ultrapure water and demineralization applications in co-flow, counterflow, packed beds, layered beds and mixed beds.

SPECIFICATIONS

Copolymer:	Styrene-divinylbenzene
Matrix:	Gel
Functional Group:	Quaternary Ammonium – Type I
Physical Form:	Light yellow beads
Ionic Form:	OH ⁻
Total Capacity:	≥ 1.20 eq/L (OH ⁻ form)
Moisture Content:	49 – 55 %
Particle Size:	590 ± 50 µm
Uniformity Coefficient:	≤ 1.0
< 300 µm	≤ 0.30 %
≥ 850 µm	≤ 5.00 %
Whole Beads Count:	≥ 95 %
Swelling:	Cl ⁻ → OH ⁻ : ≤ 20%
Particle Density:	1.120 g/mL
Bulk Density:	700 g/L (43.7 lb/ft ³)

SUGGESTED OPERATING CONDITIONS

Temperature Range:	100°C (212°F) (Cl ⁻ form) 60°C (140°F) (OH ⁻ form)
pH Range:	0 – 14
Service Flow Rate:	8 – 40 BV/h

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 a temperature above 0°C. See MSDS for safety issues.