



ION EXCHANGE RESIN

PersaLite™ UPS-1600H Uniform Particle Size Strong Acid Cation

DESCRIPTION AND APPLICATIONS

PersaLite™ UPS-1600H is a uniform particle size, gel, strong acid cation exchange resin for condensate polishing, water softening and demineralization applications in co-flow, counterflow, packed beds, layered beds and mixed beds systems.

SPECIFICATIONS

Copolymer:	Styrene-divinylbenzene
Matrix:	Gel
Functional Group:	Sulfonic Acid
Physical Form:	Dark brown beads
Ionic Form:	H ⁺
Total Capacity:	≥ 2.4 eq/L
Moisture Content:	35 – 43 %
Particle Size:	600 ± 50 μm
Uniformity Coefficient:	≤ 1.1
< 300 μm	≤ 0.10 %
≥ 850 μm	≤ 3.00 %
Whole Beads Count:	≥ 95 %
Swelling:	Na ⁺ → H ⁺ : ≤ 5%
Particle Density:	1.330 g/mL
Bulk Density:	820 g/L (51.2 lb/ft ³)

SUGGESTED OPERATING CONDITIONS

Temperature Range:	5 – 120°C (Na ⁺ form)
pH Range:	1 – 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 temperatures above 0°C. See MSDS for safety issues.