



ION EXCHANGE RESIN

PersaLite™ IXC-180H Standard Strong Acid Cation

DESCRIPTION AND APPLICATIONS

PersaLite™ IXC-180H is a gaussian, macroporous, strong acid cation exchange resin for water polishing at nuclear power industry, softening and demineralization applications in co-flow systems.

SPECIFICATIONS

| | |
|-------------------------|--|
| Copolymer: | Styrene-divinylbenzene |
| Matrix: | Macroporous |
| Functional Group: | Sulfonic Acid |
| Physical Form: | Amber beads |
| Ionic Form: | H ⁺ |
| Total Capacity: | ≥ 2.1 eq/L |
| Moisture Content: | 42 – 48 % |
| Particle Size: | 425 – 1,250 μm |
| Uniformity Coefficient: | ≤ 1.6 |
| < 300 μm | ≤ 1.00 % |
| Whole Beads Count: | ≥ 95 % |
| Swelling: | Na ⁺ → H ⁺ : ≤ 10% |
| Particle Density: | 1.230 g/mL |
| Bulk Density: | 770 g/L |

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