

Purolite

Value Proposition 1167

Product: ion exchange resins

Industry: ultrapure water

Value Proposition: Tailored resin solutions for UPW

Meeting Precise Needs of Microelectronics

- Purolite ion exchange resins for ultrapure water are specially manufactured to meet the precise needs of the [microelectronics industry](#) for wafer and microchip production. These needs require the highest possible water quality (<1 ppb Total Organic Carbon (TOC) and >18.2 MΩ·cm resistivity, with minimum rinse times), while eliminating contamination of the high purity circuits when ion exchange resin is first installed.
- All UltraClean resins undergo treatment to remove the organic residuals that are left on ion exchange resins after manufacturing. They are highly regenerated in the H⁺ and OH⁻ forms.

For regenerable service deionization (SDI), portable exchange (PE) or cartridge systems, where TOC readings must be less than 10 ppb after rinsing with 30-40 Bed Volumes (BV) or less, [UltraClean UCW3900](#), [UltraClean UCW3700](#), [UltraClean UCW3600](#) are recommended.