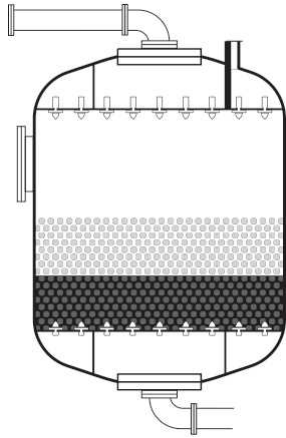




# AmberLite™ Ion Exchange Resins for Regenerable Working or Polishing Mixed Beds

## Product Recommendations



### Key benefits of a mixed resin beds include:

- High quality of water effluent
- Ease of operation
- Lower capital cost

Mixed beds are primarily used for polishing demineralized water. The mixed bed produces very high purity water from a single unit that contains cation and anion resin in an intimate mixture. This intimate mixture of resin minimizes sodium leakage because the dilute acid formed in cation exchange process is immediately neutralized by the anion resin. Care must be taken in choosing the right ion exchange resin for mixed beds as the concept is made possible by the density and particle size differences between the resins used. Upon exhaustion, the mixed bed must be backwash separated into distinct layers prior to regeneration. In order for the full advantages of a mixed bed to be realized, good resin separation is imperative. The following resin pairs have been engineered for maximum resin separability.

Recommended AmberLite™ Ion Exchange Resin Pairs for Mixed Bed	AmberLite™ HPR650 H	AmberLite™ HPR1300 H	AmberLite™ HPR1200 H	AmberLite™ HPR2800 H	AmberLite™ HPR252 H	AmberLite™ HPR2900 H
AmberLite™ HPR550 OH	P					
AmberLite™ HPR4700 OH		P	A			
AmberLite™ HPR4200 OH		P	P			
AmberLite™ HPR4800 OH		P	P			
AmberLite™ HPR9000 OH	P			P		
AmberLite™ HPR900 OH		P		P	P	
AmberLite™ HPR9200 Cl		A		A		A

P = Promoted    A = Acceptable

Inert buffer beads are not necessary with these recommended resin pairs as the resins are tailored for maximum separability. If the use of buffer beads is preferred for certain systems, the recommended product is AmberLite™ 600i.

For the anion resins listed in OH form, either Cl or SO<sub>4</sub> form is available if preferred by the user. Please refer to the product data sheets for detailed availability. For cation resins listed in the H- form, Na- form is available if preferred by the user. However, Na- form resins are never recommended in mixed bed operations.

[www.dupont.com/water/contact-us](http://www.dupont.com/water/contact-us)

No freedom from infringement of any patent or trademark owned by DuPont or others is to be inferred. Because use conditions and applicable laws may differ from one location to another and may change with time, Customer is responsible for determining whether products and the information in this document are appropriate for Customer's use and for ensuring that Customer's workplace and disposal practices are in compliance with applicable laws and other government enactments. The product shown in this literature may not be available for sale and/or available in all geographies where DuPont is represented. The claims made may not have been approved for use in all countries. DuPont assumes no obligation or liability for the information in this document. References to "DuPont" or the "Company" mean the DuPont legal entity selling the products to Customer unless otherwise expressly noted. NO WARRANTIES ARE GIVEN; ALL IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE ARE EXPRESSLY EXCLUDED.

DuPont™, the DuPont Oval Logo, and all trademarks and service marks denoted with ™, ℠ or ® are owned by affiliates of DuPont de Nemours Inc. unless otherwise noted. ©2020 DuPont.

