

Description:

XI+ is a premium mixed bed ion exchange resin. It is a special mixture of highly purified and super regenerated strong acid cation and strong base anion resins.

Applications:

XI+ is specifically formulated for heating and cooling systems where reliable production of the highest quality water is required



| XI+ Characteristics | | |
|----------------------------|--|-------------------------|
| Physical | | |
| Appearance | Spherical beads | |
| Shipping weight* | 710 kg/m ³ , approximately | |
| Particle size range | 0.3 to 1.2 mm | |
| > 1.2 mm | 5.0% maximum | |
| <0.3mm | 1% maximum | |
| Uniformity co-efficient | 1.8 maximum | |
| Effective size | 0.45 to 0.55 mm | |
| Microscopic examination | Surface cracks not more than 5% | |
| Chemical | Cation resin | Anion resin |
| Matrix. | Crosslinked polystyrene | Crosslinked polystyrene |
| Type. | Gel | Gel |
| Functional group. | Sulphonic acid | Quaternary ammonium |
| Total exchange capacity. | 1.9 meq/ml | 1.0 meq/ml |
| Ionic conversion. | 99% minimum in H form | 90% minimum in OH form |
| Moisture holding capacity. | 48 - 58% | 60% maximum |
| Thermal stability. | Up to 120° C | Up to 60° C |
| Chemical stability. | Stable in pH range 0 -14 Resistant to oxidizing and reducing agents | |
| Rinse characteristics | Our resin for ultrapure water applications are specially rinsed to meet stringent quality requirements | |

*Weight of resin, as supplied, occupying 1 m³ in a unit after backwashing and draining.

| Variants | Storage | Safety |
|---|--|--|
| <p>XI+ is also available with the additional feature of changing colour when exhausted. This variant is XI+ Indicator and comes with the colour change below:</p> <p>XI+ Indicator Blue to Yellow</p> | <p>XI+ resin requires care when handling and storing. XI+ should always be kept in a cool dry place and must not be allowed to dry out. Since XI+ is supplied in a highly regenerated condition, any exposure to atmospheric air must be avoided as this will convert it to the carbonate form. The resin packing should not be opened during storage.</p> | <p>The Acid and alkali solutions used for the regeneration are corrosive. They should be handled in a manner that will prevent any eye and skin contact. If any oxidising agents are used, please observe the necessary safety precautions to avoid accidents and damage to the resin.</p> |
| Packing | | Disposal |
| <p>LDPE lined bags 12.5 / 25 lts</p> <p>HDPE lined bags 25/50 lts</p> | | <p>XI+ resin can be either rejuvenated or disposed of in general household waste.</p> |

Our range of resin is produced in a ISO 9001 and ISO 14001 certified manufacturing facility.

To the best of our knowledge the information contained in this publication is accurate.

