AMBERLITE MB150 is an ionically equilibrated mixed bed resin. Ready for use, as supplied, it is a mixture of a strongly acidic cation resin and a strongly basic, type 1 anion exchange resin.

AMBERLITE MB150 is used for the production of high purity water and other applications requiring totally demineralized water.

**PROPERTIES**

- **Physical Form**: Spherical beads, in a moist, fully hydrated condition
- **Ionic Form, as shipped**: Hydrogen/Hydroxide
- **Cation to Anion equivalent ratio**: 1/1
- **Volumetric Composition**: 40% Cation/60% Anion
- **Volumetric Capacity**: 12 kgr/ft³ (approximate)
- **Shipping Weight**: 43 lb/ft³

**Particle Size**

- **Uniformity Coefficient**: 1.7 maximum
- **Screen Grading**: 16 to 50 mesh (US Std Screen)
- **Screen Analysis**: 5% maximum on 16 mesh (US standard Screen) 0.5% (approx.) thru a 50 mesh (US Standard Screen)

- **Chemical Stability**: Insoluble in water, dilute solutions of acids or bases and common solvents

**SUGGESTED OPERATING CONDITIONS**

- **pH Range**: 0 to 14
- **Maximum Operating Temperature**: 140 °F
- **Minimum Bed Depth**: 24 inches
- **Service Flow Rate**: 2 to 5 gpm/ft³

- **Regenerant**
  - Cation: HCl or H₂SO₄
  - Anion: NaOH
OPERATING CAPACITY

AMBERLITE MB150 will exhibit a nominal operating capacity of 12 kgr/ft$^3$ with 80% of the capacity producing water quality above 10 megohm.

REGENERATION

If required, AMBERLITE MB150 resin can be regenerated after exhaustion. The resin mixture must be separated into its component parts by backwashing and the cation component regenerated with acid of the proper concentration and the anion component regenerated with sodium hydroxide of the proper concentration.

RECOMMENDED APPLICATIONS

AMBERLITE MB150 resin is suitable for many industrial water treatment applications and is an excellent choice for portable exchange deionization. This resin provides high capacity with reliable production of the highest quality water and rapid rinse.