



Mixed Bed Resin 50

Description:

ASHAION MB 50 is a mixed bed ion exchange resin. It is a mixture of highly purified and super regenerated strong acid cation and strong base anion resins in 1:1 volume ratio.

Application:

ASHAION MB 50 is recommended in any non regenerable mixed bed application where reliable production of the highest quality water is required and where "as supplied" resin must have an absolute minimum of ionic and nonionic contamination.

Characteristics:

Physical

Physical form	Spherical beads
Shipping weight	710 - 750 kg/m ³ , approximately
Particle size range > 1.2 mm < 0.3 mm	0.3 to 1.2 mm 5.0%, maximum 1.0%, maximum
Uniformity co-efficient	1.7, maximum
Effective size	0.45 to 0.65 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 H ⁺	90%, minimum OH ⁻
Moisture holding capacity	49 - 55%	48-58% (in Cl form)

Packing

HDPE lined bags
Supersack

25/50 ltrs
1000 ltrs

Storage

Ion exchange resins require proper care at all times. Resins must never be allowed to become dry. Resins should therefore be always kept in the shade. Since ASHAION MB 50 is supplied in 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.

Safety

Acid and alkali solutions are corrosive and should be handled in a manner that will prevent eye and skin contact. If any oxidising agents are used, necessary safety precautions should be observed to avoid accidents and damage to the resin.