

ZI-RESIN C-119

Strong Acid Cation H Form

HIGHLIGHTS

ZI-RESIN C-119 is a strongly acidic gel type cation exchange resin supplied in hydrogen form and it is primarily used in the cation stage of demineralization plants use in industrial water treatment.

ZI-RESIN C-119 with standard mesh size range gives optimum operating capacity with minimum leakages of ions and minimum pressure drop across the resin bed.

TYPICAL PROPERTIES

- Type: Polystyrene Crosslinked with DVB
- Appearance: Yellow to Brown Spherical beads
- Functional Group: Sulfonic Acid
- Ionic Form: H⁺
- Total Capacity(eq/L): 1.8 min.
- Moisture Retention: 48 - 53%
- Particle Effective Size: 0.4-0.7mm
- <0.3mm (max.): 1%
- Uniformity Coefficient (max.): 1.6
- Bulk Density (g/l): 780-850

STANDARD DESIGN CONDITIONS

- Bed depth: >700 mm
- Service flow rate: 5–50 BV/h
- Regenerant: HCl H₂SO₄
- Level (g/l): 50-150 60-240
- Concentration (%): 4-6 1-6
- Flow Rate (BV/h): 2-5 2-20
- Min contact time: 30 minutes
- Slow rinse: 3-8 BV
- Fast rinse: 4-10 BV

THE BENEFITS

- High operating capacity
- Excellent resistance to physical breakdown
- Lower pressure drops
- Longer lifetime

COMMON APPLICATIONS

- Softener
- Demineralisation
- Polishing Mix Bed

PACKAGING

- 25L PE bag
- 1000L big bag

HANDLING & SAFETY

ZI-TECHASIA maintains a database of safety data sheets (SDS) on all our products. These contain health & safety information to assist in the safe and appropriate chemical handling, ensuring the protection of personnel.

