

## ZI-RESIN C-117

### Strong Acid Cation Na Form

#### HIGHLIGHTS

ZI-RESIN C-117 is a strongly acidic gel type cation exchange resin supplied in sodium form and it is primarily used in the cation stage of softening plants use in industrial and potable water treatment.

ZI-RESIN C-117 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:                    | Na <sup>+</sup>                  |
| • Total Capacity(eq/L):          | 2.0 min. (Na <sup>+</sup> )      |
| • Moisture Retention:            | 42- 48%                          |
| • Particle Effective Size:       | 0.4-0.7mm                        |
| • <0.3mm (max.):                 | 1%                               |
| • Uniformity Coefficient (max.): | 1.6                              |
| • Bulk Density (g/l):            | 780-880                          |

#### STANDARD DESIGN CONDITIONS

- |                      |            |
|----------------------|------------|
| • Bed depth:         | >700 mm    |
| • Service flow rate: | 5–50 BV/h  |
| • Regenerant:        | NaCl       |
| • Level (g/l):       | 80-250     |
| • Concentration (%): | 10         |
| • Flow Rate (BV/h):  | 2-8        |
| • 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

#### 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.

