

## SEA-IX™

### AnionCore

SBA-G-OH

SBA Exchange Resin

Distributed Particle Sized, Gel-Type

## Technical Data Sheet

AnionCore is a high cross-linked distributed particle size, SBA, gel-type, type1 exchange resin with excellent ion removal capacity, allowing for economical production of high-purity water. AnionCore has outstanding physical and chemical strength, resulting in a low resin crush rate over long-term use. It is supplied in OH<sup>-</sup> form and can also be supplied in its Cl<sup>-</sup> form.

### Physical and Chemical Properties

|                        |                      |                                                         |                          |
|------------------------|----------------------|---------------------------------------------------------|--------------------------|
| Matrix                 | Polystyrene+DVB, Gel | Functional Group                                        | Type1(Trimethylammonium) |
| Ionic Form             | OH <sup>-</sup>      | Total Capacity(eq/ℓ)                                    | 1.10↑                    |
| Shipping Density(g/mℓ) | 665                  | Moisture Retention(%)                                   | 59~65                    |
| Particle Density       | 1.07                 | Uniformity Coefficient                                  | 1.1↓                     |
| Particle Size(μm)      | 590±50               | Swelling Rate<br>(Cl <sup>-</sup> →OH <sup>-</sup> , %) | 23                       |
| Whole Beads(%)         | 95↑                  |                                                         |                          |

### Recommended Operating Conditions

|                    |                                                |                        |       |
|--------------------|------------------------------------------------|------------------------|-------|
| Operating Temp(°C) | 60°C(OH <sup>-</sup> ), 80°C(Cl <sup>-</sup> ) | pH Range               | 0~14  |
| Bed Depth(mm)      | 800                                            | Service Flow Rate(m/h) | 5~120 |

### Regeneration

|            |        |                  |     |
|------------|--------|------------------|-----|
| Regenerant | NaOH   | Concentration(%) | 2~8 |
| Level(g/ℓ) | 50~150 | Flow Rate(m/h)   | 2~8 |

Rinse Requirement(BV) 2~8

### Applications

AnionCore is used for special refining purposes such as water treatment, metal recovery, and sugar refining.

#### Packaging:

- 1000 lbs. (453 kg) super sacks
- 50lb Bags (22.6 kg) - 24 per pallet

#### Shipped from:

- Huntersville, NC

