DIAION™ SA10DL

DIAION™ SA10DL is a gel type strongly basic anion exchange resin. It has a higher cross-linkages and excellent properties. A wide range of applications, especially in a field of manufacturing and processing pure water, is recommended.

| Product | | |
|--|--------|-----------------------------------|
| Grade Name | | DIAION TM SA10DL |
| Туре | | Strong Base Anion |
| Matrix | | Styrene-DVB, Gel |
| Functional Group | Ty | ype I (trimethyl ammonium groups) |
| lonic Form | | Cl |
| Specification | | |
| Whole Bead Count | - | 90 min. |
| Salt Splitting Capacity | meq/mL | 1.3 min. |
| Water Content | % | 38 - 43 |
| Particle Size Distribution on 1180 μm | % | 5 max. |
| Particle Size Distribution thr. 500 μm | % | 5 max. |
| Effective Size | mm | 0.50 min. |
| Uniformity Coefficient | - | 1.6 max. |
| Typical Properties | | |
| Shipping Density | g/L | 690 |
| Mean Particle Size | μm | 660 |
| Particle Density | g/mL | 1.08 |
| Total Swelling (Cl to OH) | % | 22 |
| Recommended Operating Conditions | | |
| Maximum Operating Temperature | °C | 80 (Cl ⁻) |
| | | 60 (OH ⁻) |
| Operating pH Range | | 0 - 14 |
| Minimum Bed Depth | mm | 800 |
| Service Flow Rate | m/h | 10 - 60 |
| Regenerant | | NaOH |
| Regenerant Concentration | % | NaOH 2 - 8 |
| Regenerant Level | g/L | 50 - 200 |
| Regenerant Flow Rate | m/h | 2 - 8 |
| Total Rince Requirement | BV | 2 - 10 |



Hydraulic Characteristics

The approximate pressure drop at various temperatures and flow rates for each meter of bed depth of $\mathsf{DIAION}^\mathsf{TM}$ SA10DL resin in normal down flow operation is shown in the graphs below.

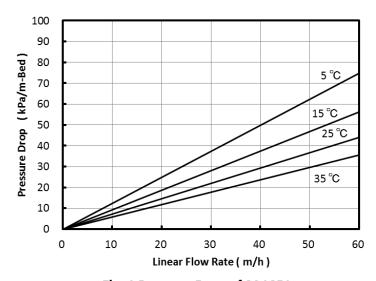


Fig. 1 Pressure Drop of SA10DL

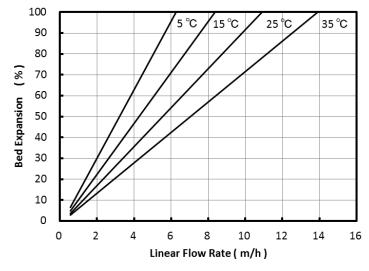


Fig. 2 Bed Expansion of SA10DL

Notice

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