Product Data Sheet

DIAION[™] PK228L

DIAION™ PK228L is a porous type strongly acidic cation exchange resin. It has 14% 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 PK228L |
| Туре | | Strong Acid Cation |
| Matrix | | Styrene-DVB, Porous |
| Functional Group | | Sulfonic Acid |
| Ionic Form | | Na ⁺ |
| Specification | | |
| Whole Bead Count | - | 95 min. |
| Salt Splitting Capacity | meq/mL | 2.05 min. |
| Water Content | % | 37 - 43 |
| Particle Size Distribution on 1180 μm | % | 5 max. |
| Particle Size Distribution thr. 425 μm | % | 1 max. |
| Effective Size | mm | 0.45 min. |
| Uniformity Coefficient | - | 1.6 max. |
| Typical Properties | | |
| Shipping Density | g/L | 810 |
| Mean Particle Size | μm | 730 |
| Particle Density | g/mL | 1.32 |
| Total Swelling (Na ⁺ to H ⁺) | % | 5 |
| Recommended Operating Condit | ions | |
| Maximum Operating Temperature | °C | 120 |
| Operating pH Range | | 0 - 14 |
| Minimum Bed Depth | mm | 800 |
| Service Flow Rate | m/h | 10 - 60 |
| Regenerant | | HCI |
| | | H_2SO_4 |
| Regenerant Concentration | % | HCl 4 - 10 |
| - | | H ₂ SO ₄ 1 - 4 |
| Regenerant Level | g/L | 50 - 200 |
| Regenerant Flow Rate | m/h | 2 - 10 |
| 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 DIAIONTM PK228L resin in normal down flow operation is shown in the graphs below.

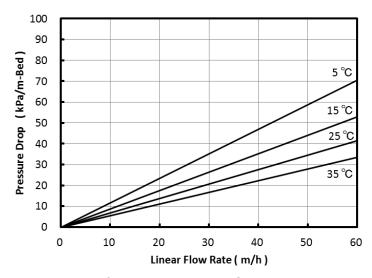


Fig. 1 Pressure Drop of PK228L

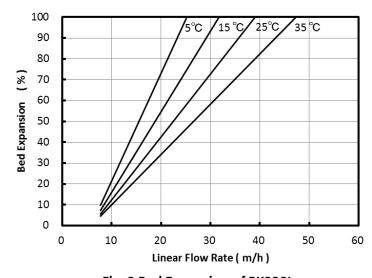


Fig. 2 Bed Expansion of PK228L

Notice

This information are given in good faith but without warranty, and this also applies where proprietary rights of third parties are involved. The application, use and processing of our products are beyond our control and therefore your own responsibility.

