

Demineralization Resin

Strong Base Anion (Isoporus)

DOSHION ASB 171 is an Isoporous Type - II Strong Anion Exchange Resin with high capacity. It is based on cross-linked polystyrene matrix.

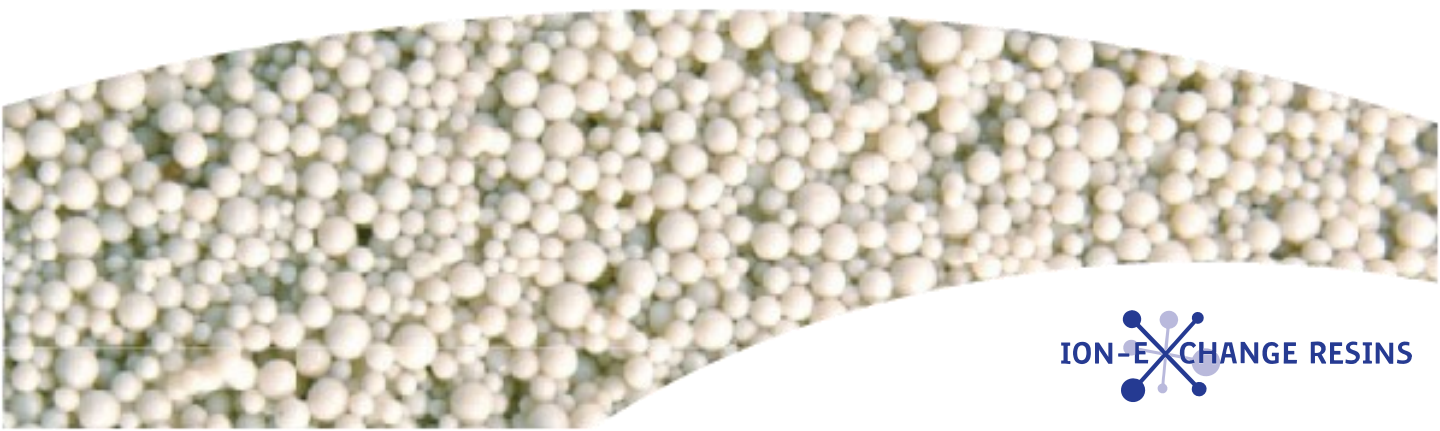
DOSHION ASB 171 is specially designed to give high throughput with economical operation cost. The basicity of the Type - II resin is lower than that of the Type - I resin and hydrophilicity of The Type - II resin is higher than that of the Type - I resin. Thus the resin is more suitable for higher removal efficiency of Chlorides and Sulphates from feed water.

DOSHION ASB 171 is recommended for demineralisation oxygen removal and nitrate removal. The resin is supplied in hard moist bead form and is suitable for co-current and counter-current applications in demineralisation system.

| Properties | |
|---|-----------------------------|
| Matrix | Cross Linked Polystyrene |
| Functional group | Quaternary ammonium Type-II |
| Ionic Form | Cl- (Chloride) |
| Physical Form | Hard moist beads |
| Particle Size (mm) | 0.3-1.20 |
| Moisture Content % | 46-52 |
| Total exchange capacity eq/ltr (min.) | 1.20 |
| Bulk Density or Shipping Weight gms/ltr | 700-720 |
| Operating pH range | 0-14 |
| Solubility in common solvents | Insoluble |
| Effect of Acid & Alkali | Unaffected |
| Operating Temperature °C(max) | 40°C (OH) 70°C(Cl) |
| Volume Change %(Max):Cl.OH | 17 |

| Operating Conditions | | |
|---------------------------|------------------------------|--------------|
| Minimum bed depth | mm | 750 |
| Backwash rate | m/hr | Pls ask rep. |
| Regenerant concentration | % | 4-5 (NaOH) |
| Regenerant flow rate | *BV/hr | 2-6 |
| Regenerant contact time | Minutes | 30-60 |
| Regeneration level 100% | Kgs/ m ³ of Resin | 30-90 (NaOH) |
| Displacement rinse rate | *BV/hr | 2-6 |
| Displacement rinse volume | #BV | 1.5-2.0 |
| Fast rinse rate | *BV/hr | 10-30 |
| Fast rinse volume | #BV | 5-8 |
| Service flow rate | *BV/hr | 40 |

* Bed Volume/ Hour ; # Bed Volume



Full Range of Ion Exchange Resins

| Cation Exchange Resin | Anion Exchange Resin | Speciality Resin | DM Resin |
|-----------------------|----------------------|------------------|----------|
| CSA 121 | GA 11 | DCHR 74 | DMB 13 |
| CSA 9 | GA 12 | DCHR 78 | |
| CSA 9 L | GA 13 | DIRM 412 | |
| CSA 29 | ASB 108 | DCR 11 | |
| CSA 609 D | ASB 171 | CWS 66 D | |
| CWA 63 | ASB 1080 D UPS | DMB 13 S | |
| CWA 92 D | ASB 8020 D | CGC 1200 | |
| CSA 309 | AWB 7020 D | CMC 1900 | |
| | AWB 7030 D | CMC 2400 | |
| | AWB 7050 D | | |
| | GA 711 | | |

Full Range of Membrane Performance Chemical

| RO Membrane Chemicals | UF Membrane Chemicals | EDI Membrane Chemicals | Speciality Chemicals |
|-----------------------|-----------------------|------------------------|----------------------|
| DCC – Bior | DCC - UFC - I | EDC - SNO - IO - 56 | Doshion - 1180 |
| DCC – Inor | DCC - UFC - O | EDC - SNO - IO - 74 | Doshion - C 8100 |
| DCC - Col | DCC - UFC - C | | Doshion - 3426 |
| DCC - Stor | DCC - UFC - S | | Doshion - 9711 (P) |
| Doshion - 51 (HS) | | | Doshion - 9718 (Z) |
| Doshion - 52 (L) | | | |
| Doshion - 53 | | | |
| DoScale - 65 | | | |
| Doshion - 6311 - LS | | | |

Full Range of Pharmaceutical Polymers

| Active Pharma Ingredients | Excipients | Speciality Polymers | Ready Mix & Ready to Use |
|--|-----------------------------------|---------------------|----------------------------------|
| Doshion P-504 (Sodium Polystyrene Sulphonate USP / EP) | Doshion P-504 (Polystyrene Resin) | Doshion P-520 | Doshion P-542 AB (R) |
| Doshion P-548 BP (Calcium Polystyrene Sulphonate BP) | Doshion P-514 | Doshion P-535 | Azithromycin Taste Masked (7.5%) |
| Doshion P-548 JP (Calcium Polystyrene Sulphonate JP) | Doshion P-542 | | |
| Doshion P-550 (Cholestyramine Resin USP / EP) | Doshion P-542 AB | | |
| | Doshion P-542 CP | | |
| | Doshion P-542 D | | |
| | Doshion P-544 C | | |
| | Doshion P-544 R | | |
| | Polyflash Doshion P-544 DS | | |
| | Doshion P-544 DS (Cipro) | | |
| | Polyflash Doshion P-544 DB | | |
| | Polyflash Doshion P-544 D | | |
| | Doshion P-550 | | |
| | Doshion P-551 (Polyacrilix Resin) | | |

doshion[®]
Translating Source Into Resource

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