

Demineralization Resin

Strong Base Anion (Macroporous)

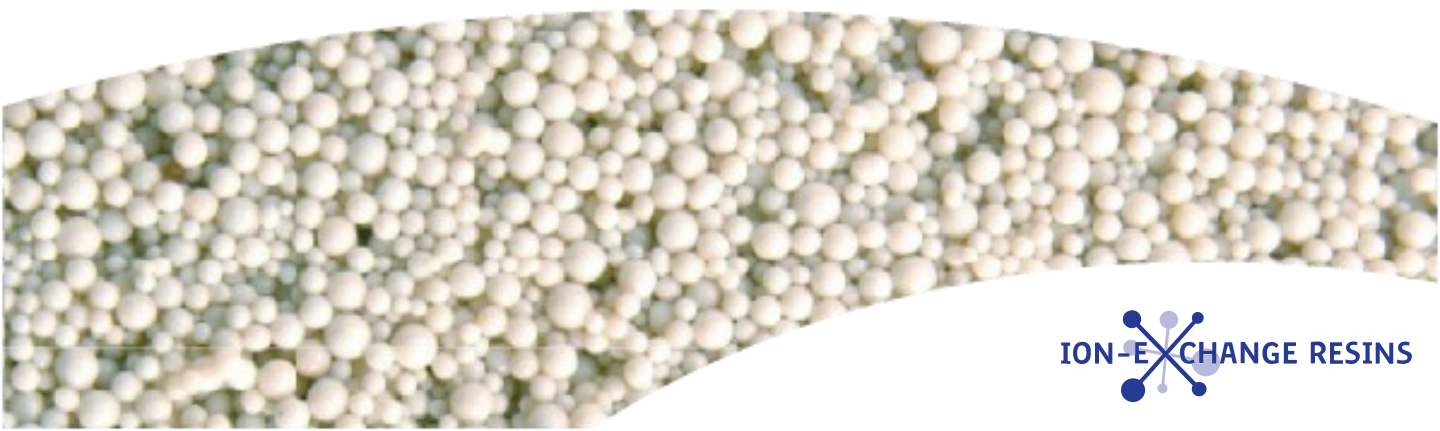
DOSHION ASB 8020 D is a Macroporous, Type – II Strong Base Anion Exchange Resin. It is based on polystyrene matrix with quaternary ammonium Type – II functional groups. Its special properties include the ability to remove a large percentage of organic matter that may be present.

The macroporous structure of **DOSHION ASB 8020 D** permits the regenerant solution to reach the sites of the organic debris and remove it. This resin is recommended when silica + COO/ total anion ratio is less than 30%. If the silica + COO/ total anion ratio is more than 30%, ASB 8010 D is recommended.

| Properties | |
|--|--------------------------------------|
| Matrix | Cross Linked Polystyrene Macroporous |
| Functional group | Quaternary ammonium Type – II |
| Ionic Form | Cl – Chloride |
| Physical Form | Moist Strong Beads |
| Particle Size (mm) | 0.30 – 1.20 |
| Moisture Content % | 46-54 |
| Total exchange capacity eq/ ltr (min.) | 1.2 |
| Bulk Density or Shipping Weight gms/ ltr | 700-720 |
| Operating pH range | 0-14 |
| Solubility in common solvents | Insoluble |
| Volume Change %(Max): Cl to OH | 17 |

| Operating Conditions | | |
|-----------------------------|------------------------------|----------------------------------|
| Operating Temperature (max) | °C | 40 (OH ⁻) 70 (Cl) |
| Minimum bed depth | Mm | 750 |
| Regenerant Concentration | % | 4-5 (NaOH) |
| Regenerant flow rate | *BV/hr | 2-6 |
| Regenerant contact time | Minutes | 30 min |
| Regeneration level | Kgs/ m ³ of Resin | 60 – 100 (NaOH) |
| Displacement Rinse rate | *BV/hr | 2-6 |
| Displacement Rinse volume | #BV | 1-2 |
| Fast Rinse rate | *BV/hr | 10-40 |
| Fast Rinse volume | #BV | 4-10 |
| Service flow rate | *BV/hr | 10-40 |

* 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

Doshion Poly Science Pvt. Ltd.

Building Number: 9 – 10, Sigma Corporates,
Off. Sindhu Bhavan Road, Ahmedabad – 380054, Gujarat, India

+91 079 – 4800 7766 | polymers@doshion.com | www.doshionpoly.com

