

## Demineralization Resin

### Strong Base Anion (Isoporus)

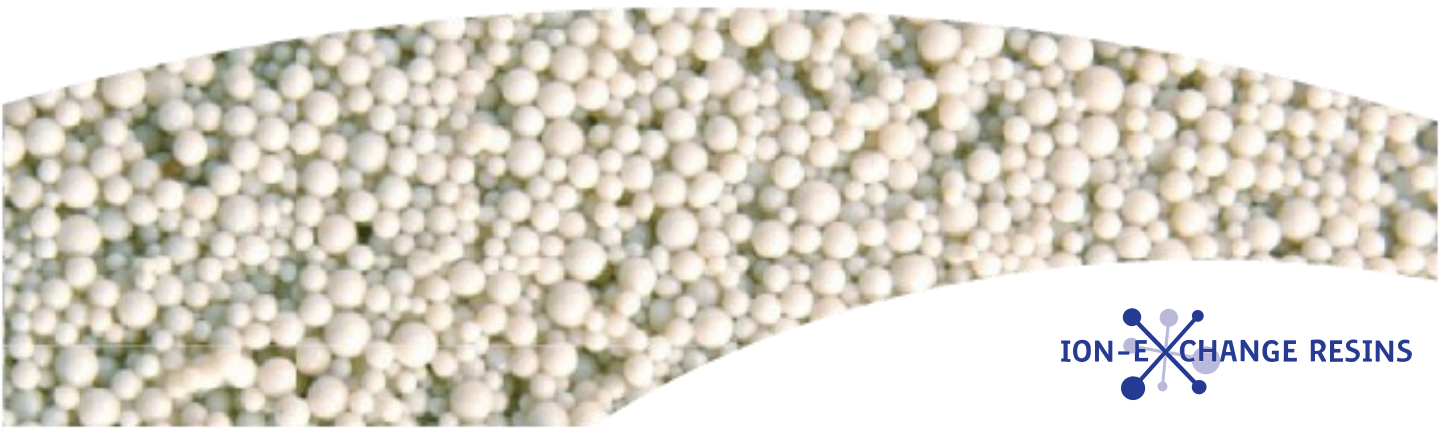
**DOSHION ASB 108** resin is an Isoporous Type-I Strong Base Anion Exchange Resin with high capacity. It is based on polystyrene matrix with quaternary ammonium functional groups. DOSHION ASB 108 is specially designed to give high throughput and economical operation in both water and non water applications, **DOSHION ASB 108** resin in combination with DOSHION CSA 9 resin, gives outstanding separation and performance in mixed beds.

**The ASB 108** is recommended for achieving lowest possible silica leakage under varied water conditions. The resin is supplied in hard moist bead form and is suitable for both co-current and counter-current operations in demineralisation systems.

Properties	
Matrix	Cross Linked Polystyrene
Functional group	Quaternary Ammonium Type – 1
Ionic Form	Cl- (Chloride)
Physical Form	Hard moist beads
Particle Size (mm)	0.3-1.20
Moisture Content %	48-54
Total exchange capacity eq/ ltr (min.)	1.25
Bulk Density or Shipping Weight gms/ ltr	690-710
Operating pH range	0-14
Solubility in common solvents	Insoluble
Effect of Acid & Alkali	Unaffected
Operating Temperature °C(max)	60°C (OH) 100°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 min
Regeneration level 100%	Kgs/ m <sup>3</sup> of Resin	30-150 (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**<sup>®</sup>  
Translating Source Into Resource

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