

Demineralization Resin

Weak Base Anion (Macroporous)

DOSHION AWB 7050 D is a Macroporous Weakly Basic Anion Exchange Resin based on strong polystyrene matrix containing tertiary amine and quaternary ammonium functionality. This resin is supplied in perfectly spherical bead forms.

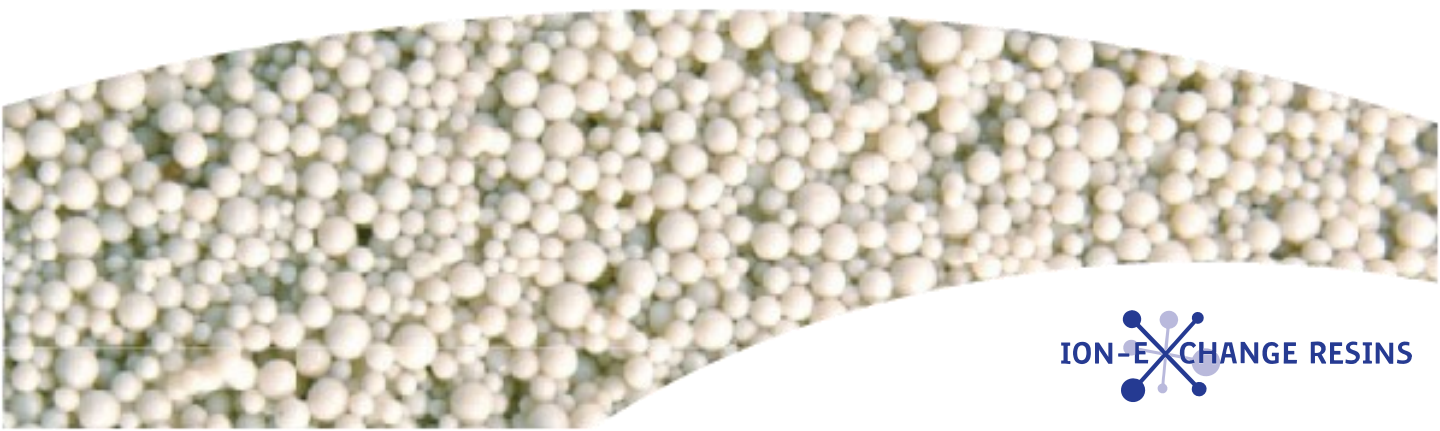
Outstanding Characteristics of AWB-7050D:

- Exceptional physical, chemical and thermal stability.
- Excellent kinetic exchange rates.
- High regeneration efficiency. Macroporous matrix ensures effective adsorption and desorption of organic bodies.
- Ideal Ion Exchange Resin for protecting strongly basic anion exchange resin against excessive organic fouling.
- High resistance towards oxidation and attrition.
- Gives lowest ash content with high organic removal capacity.

Properties	
Matrix	Cross Linked Polystyrene Macroporous
Functional group	Tertiary Amine
Ionic Form	Free Base
Physical Form	Moist Strong Beads
Particle Size (mm)	0.30-1.20
Moisture Content %	50-58
Total exchange capacity eq/ltr (min.)	1.3
Bulk Density or Shipping Weight gms/ltr	650-700
Solubility in common solvents	Insoluble
Volume Change %(Max): FB to HCL	20

Operating Conditions		
Operating temperature (max)	°C	60
Minimum bed depth	mm	750
Regenerant Concentration	%	2-5 (NaOH) 2-3(NH ₃) 5-8 (Na ₂ CO ₃)
Regenerant flow rate	*BV/hr	2-6
Regenerant contact time	Minutes	30 min
Regeneration Level	Kgs/ m ³ of Resin	40-100 (NaOH) 20-60 (NH ₃) 60-140 (Na ₂ CO ₃)
Displacement Rinse rate	*BV/hr	2-6
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)		

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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

