AWB 7020 D

Doshion®
Translating Source Into Resource

Demineralization Resin

Weak Base Anion (Macroporous)

DOSHION AWB 7020 D resin is a Macroporous Weak Base Anion Exchange Resin with very high capacity. It is based on a styrene-divinylbenzene co-polymer matrix. This resin is specifically designed to give high throughput and economical operation in both water and non water applications.

DOSHION AWB-7020D resin is designed to give maximum efficiency and reversible removal of that organic fraction that is soluble at the operation pH values. The high reversibility to organics leads to an excellent resistance to fouling and gives protection to the strong base anion resin typically used downstream.

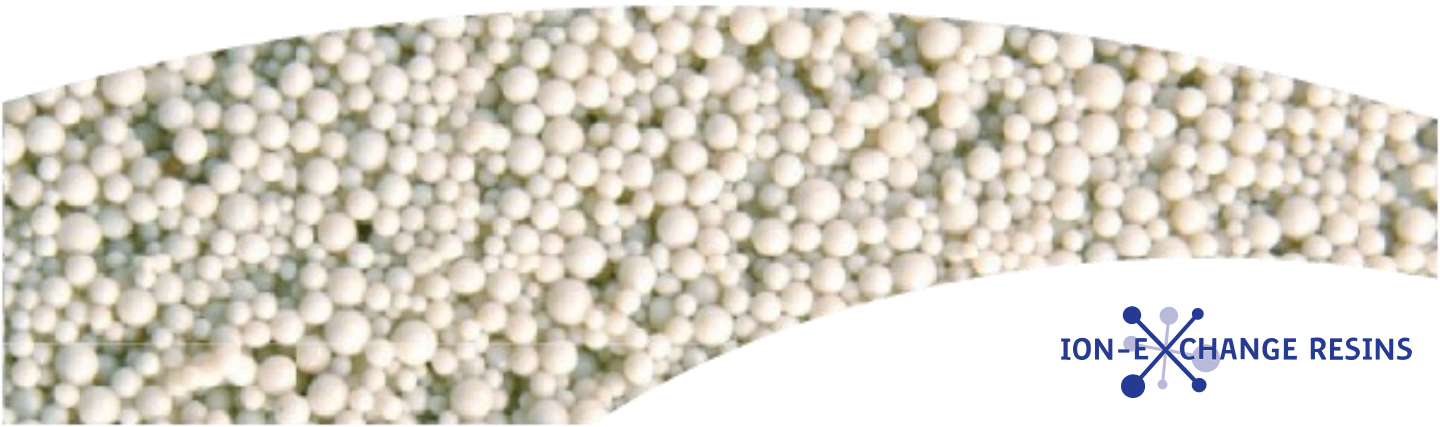
The Characteristics of AWB 7020 D

- Exceptional physical and thermal stability under varied influent conditions.
- Excellent resin kinetics leading to higher throughput.
- The macroprous matrix structure ensures effective adsorption of organic and their removal, hence making it suitable for organic removal/scavenging.
- Ideal for thoroughfare and stand alone regeneration mode.

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 %	44-50
Total exchange capacity eq/ ltr (min.)	1.5
Bulk Density or Shipping Weight gms/ ltr	650-700
Operating pH range	0-7
Solubility in common solvents	Insoluble
Volume Change %(Max): Cl to OH	25

Operating Conditions		
Operating Temperature (max)	°C	60
Minimum bed depth	mm	750
Regenerant Concentration	%	2-5 (NaOH) 2-3 (NH_3) 5-8 ($Na2CO_3$)
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_2CO_3)
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



ION-EXCHANGE RESINS

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 (Polystyrex 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 (Polyacrilex Resin)		

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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