

High TDS Softening & Heavy Metal Removal Resin

Weak Acid Cation(Macroporous)

DOSHION CWA 92 D is a high capacity macroporous type Polyacrylic weak acid cation exchange resin. It is insoluble in acids, alkalis and all common solvents.

The Characteristics of CWA 92 D:

- Excellent selectivity for heavy metals
- Used as an economic replacement of chelating resin in some industries
- Used in Dealkalisation in domestic applications

Properties	
Matrix	Cross linked Polystyrene Macroporous
Functional group	-COO – Carboxylic Acid
Ionic Form	H ⁺ – Hydrogen / Na ⁺ – Sodium
Physical Form	Spherical Beads
Particle size (mm)	0.30- 1.25
Moisture Content %	45 – 53
Total Exchange Capacity (eq/L) (min)	4.0 in H ⁺ form
Bulk Density / Shipping Weight (gm/L)	740-800
Homogeneous Coefficient (max)	1.6
Reversible Swelling (H ⁺ to Na ⁺) % (max)	65
Solubility in common solvents	Insoluble

Operating Conditions		
Minimum Bed Depth	mm	750
Operating pH Range		0-14
Regenerant Concentration	%	2-4 (HCl) 2-4 (NaOH)
Regenerant Flow Rate	*BV/hr	4 – 8
Regenerant Contact Time	Minutes	30-60
Regeneration Level	Kg/ m ³ of Resin	115% of the operating capacity used
Displacement Rinse Rate	*BV/hr	4 – 8
Displacement Rinse Volume	#BV	1.5 – 2.0
Fast Rinse Rate	*BV/hr	10-20
Fast Rinse volume	#BV	4 – 10
Service flow rate	*BV/hr	5-40

* 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

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