

Demineralization Resin

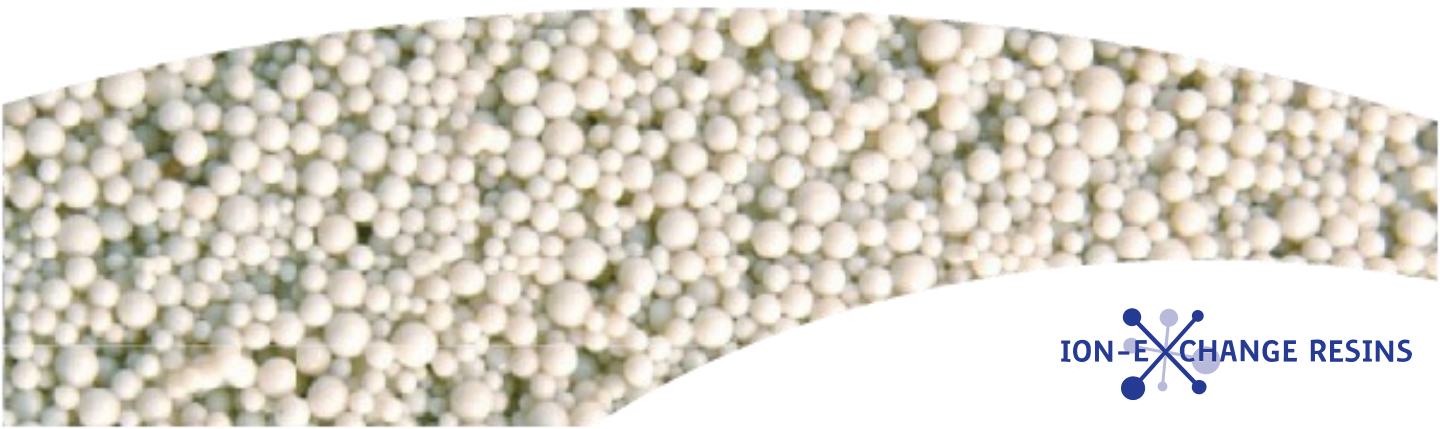
For Mixed Beds

DOSHION DMB13 UPS is ready to use mixed bed uniform particle size resin for purification of water of the highest quality. It is suitable for use in regenerable or non-regenerable columns or in large ion exchange units. Passage of water at recommended flow rates through the resin, can achieve almost complete reduction of total dissolved solids.

Key Characteristics of DMB 13 :

- High physical stability
- Ideal for Demineralisation of water
- Ideal for getting very low Silica water to be used in high pressure boilers and manufacturing of Silicon chips.

Properties		
Type of Ion Exchange Resin	Strong Acid Cation	Strong Base Anion Type – 1
Matrix	Gel Polystyrene Cross linked with Divinylbenzene	Gel Polystyrene Cross linked with Divinylbenzene
Functional group	Sulfonic Acid	Quaternary Ammonium Type – 1
Volumetric Ratio %	40	60
Ionic Form	H ⁺	OH ⁻
Physical Form	Hard moist beads	
Particle Size (mm)	0.5-0.7	
Uniformity Coefficient	1.2 (max)	
Moisture Content %	53-60	
Total exchange capacity eq/ltr (min.)	1.8	1.0
Bulk Density or Shipping Weight gms/ltr	730-830	
Operating pH range	0-14	
Solubility in common solvents	Insoluble	
Operating Temperature °C (max)	60°	
Cationic Form (min.) %	99	
Anionic Form (min.) OH- %	90	
Anionic Form (max.) Cl- %	3	



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 - 1118
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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