

Colour and COD Removal Resin

DOSHION DCR 11 resin is a adsorbent grade resin, specially designed for colour removal & COD reduction from waste water from Textile & other Chemical industries..

The Characteristics of DCR 11 :

- More than 95% colour removal from textile waste water
- 30 to 60 % COD reduction from Industrial waste water

Properties	
Matrix	Cross linked Polystyrene Macroporous
Functional group	Organophilic
Appearance	Opaque Cream Spherical Beads
Particle size (mm)	0.30 – 1.20
Moisture Content %	50 – 60
Total Exchange Capacity (eq/L) (min)	0.8
Bulk Density or Shipping Weight (gms/ltr)	690 – 710
Homogeneous Coefficient (max)	1.6
Solubility in common solvents	Insoluble

Operating Conditions		
Operating Temperature	°C	75
Operating pH		4.5 – 8.5
Minimum Bed Depth	mm	750
Regenerant Concentration	%	3-10 (NaCl)
Regenerant Flow Rate%	*BV/hr	2 – 5
Regenerant Contact Time	Minutes	30
Regeneration Level 100%	Kg/ m ³ of Resin	150 (NaCl)
Displacement Rinse Rate	*BV/hr	2 – 5
Displacement Rinse Volume	#BV	2 – 5
Fast Rinse Rate	*BV/hr	8 – 32
Fast Rinse volume	#BV	4 – 10
Service flow rate	*BV/hr	8 – 32

* 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 - 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)		

doshion[®]
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

