

Catalyst Grade Resin

Strong Acid Cation Exchange Resin

DOSHION CMC 2400 is a strongly acidic, macroporous, polymer-based resin in spherical bead form with sulfonic acid groups. It is ideally suited as a heterogeneous catalyst for organic reactions. In contrast to gel-type resins, the macroporous structure of this catalyst allows larger molecules better access to the active sites. This catalyst generally gives better results when used in media of higher polarity.

DOSHION CMC 2400 is especially designed for the following applications:

- Phenol alkylation with olefins
- Esterification, etherification, condensation and alkylation of larger polar and non-polar molecules
- Purification of phenol
- The special properties of this product can only be fully utilized if the technology and process used correspond to the current state-of-the-art.
- Further advice in this matter can be obtained from our sales representative.

General Description	
Matrix	Cross Linked Polystyrene
Functional Group	SO ₃ (Sulphonic)
Ionic Form	H ⁺ - Hydrogen
Physical Form	Macroporous
Appearance	Beige, opaque

Physical and Chemical Properties		
Total capacity*	min. eq/ l	1.2
Uniformity Coefficient*	Max	1.7
Bead size* (>90 %)	Mm	0.5-1.6
Effective size*	Mm	0.56 - 0.66
Fines* (< 0.315 mm)	max. vol. %	0.1
Bulk density (+/- 5 %)	g/ l	730 - 760
Density	approx. g/ ml	1.15
Water retention	wt.%	60 -65
Surface area (BET)	approx. m ² / g	25
Pore volume	approx. cm ³ / g	0.35
Pore diameter (average)	nm	40
Stability (temp, range)	°C	-20 to 40
Storability (of the product)	max. years	2
Storability (temp, range)	°C	-20 to 40

Safety precautions : Strong oxidants, e.g. nitric acid, can cause violent reactions if they come into contact with 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 - 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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