

Properties and Applications -Summarized Data

General Resin Series									
	Resin Type	DOSHION Resin	Matrix Type	Functional Group	Ionic Form	Particle Size (mm)	Moisture Content %	Total Exchange Capacity meq/ml	Applications
SAC	Gel	CSA-9 L	Polystyrene	-So ₃ ⁻	Na ⁺	0.3 - 1.2	45 - 50	1.9	Water Softening and purification, with good exchange and physical stability.
SAC	Gel	CSA-9 Na	Polystyrene	-So ₃ ⁻	Na ⁺	0.3 - 1.2	44 - 48	2.0	Water Softening and demineralization, with good exchange capacity and physical stability.
SAC	Gel	CSA-9 H	Polystyrene	-So ₃ ⁻	H ⁺	0.3 - 1.2	47 - 53	1.8	Demineralization with good exchange capacity and physical stability.
SAC	Gel	CSA-29	Polystyrene	-So ₃ ⁻	Na ⁺	0.3 - 1.2	40 - 45	2.1	Demineralization & Water purification, with good exchange capacity and physical stability.
SAC	Gel	CSA-29	Polystyrene	-So ₃ ⁻	H ⁺	0.3 - 1.2	45 - 50	2.0	Demineralization & Water purification, with good exchange capacity and physical stability.
SAC	Gel	CSA-121	Polystyrene	-So ₃ ⁻	Na ⁺	0.3 - 1.2	47 - 53	1.8	Water Softening and purification, with good exchange capacity and physical stability.
SAC	Macro porous	CSA-609 D	Polystyrene	-So ₃ ⁻	Na ⁺	0.3 - 1.2	47 - 52	1.8	Water Softening and purification, with good exchange capacity and physical stability.
SAC	Macro porous	CSA-609 D	Polystyrene	-So ₃ ⁻	H ⁺	0.3 - 1.2	52 - 56	1.6	Demineralization & condensate polishing unit with good exchange capacity and physical stability.
WAC	Gel	CWA-63	Acrylic acid	-COO ⁻	H ⁺	0.3 - 1.2	44 - 53	3.6	Dealklization with good exchange capacity and physical stability.
WAC	Macro porous	CWA-92	Acrylic acid	-COO ⁻	H ⁺	0.3 - 1.2	45 - 53	4.0	Dealklization with good exchange capacity and physical stability.
SBA	Gel	GA-11	Polystyrene	-N ⁺ R ₃	Cl ⁻	0.3 - 1.2	48 - 54	1.25	Demineralization & Water purification
SBA	Gel	GA-12	Polystyrene	-N ⁺ R ₃	Cl ⁻	0.3 - 1.2	46 - 52	1.2	Demineralization & Water purification
SBA	Gel	GA-13	Polystyrene	-N ⁺ R ₃	Cl ⁻	0.3 - 1.2	45 - 50	1.3	Demineralisation, Condensate Polishing & Water purification
SBA	Macro porous	ASB-8010 D (Type 1)	Polystyrene	-N ⁺ R ₃	Cl ⁻	0.3 - 1.2	50 - 60	1.2	Demineralisation, Condensate Polishing & Water purification
SBA	Macro porous	ASB-8020 D (Type 2)	Polystyrene	-N ⁺ R ₃	Cl ⁻	0.3 - 1.2	46 - 54	1.2	Demineralization & Water purification
SBA	Iso porous	ASB-108 (Type 1)	Polystyrene	-N ⁺ R ₃	Cl ⁻	0.3 - 1.2	48 - 54	1.25	Demineralization & Water purification
SBA	Iso porous	ASB-171 (Type 2)	Polystyrene	-N ⁺ R ₃	Cl ⁻	0.3 - 1.2	46 - 52	1.2	Demineralization & Water purification
WBA	Macro porous	AWB-7020 D	Polystyrene	-N ⁺ R ₂	Free amine	0.3 - 1.2	44 - 50	1.5	Demineralization & Water purification
WBA	Macro porous	AWB-7030 D	Polystyrene	-N ⁺ R ₂	Free amine	0.3 - 1.2	48 - 56	1.45	Demineralization & Water purification
WBA	Macro porous	AWB-7050 D	Polystyrene	-N ⁺ R ₂	Free amine	0.3 - 1.2	50 - 58	1.3	Demineralization & Water purification

SAC : Strong Acid Cation, SBA : Strong Base Anion, WBA : Weak Base Anion, WAC : Weak Acid Cation, SPL : Speciality

+91 - 079 4008 7766 | www.doshionpolymers.com | polymers@doshion.com

DOSHION POLY SCIENCE PVT LTD.

Corporate Office : 9-10, Sigma Corporate, B/H HOF Showroom, Off. Sindhu Bhavan Road, Bodakdev, Ahmedabad-380054

Warehouse : No 2, Tirupati Industrial Estate, Aslali Village, Ahmedabad – 382427, Gujarat, India.

Speciality grade Resin Series

	Resin Type	DOSHION Resin	Matrix Type	Functional Group	Ionic Form	Particle Size (mm)	Moisture Content %	Total Exchange Capacity meq/ml	Applications
High TDS Water Softening									
WAC	Macro porous	CWA-66 D	Polystyrene	-SO ₃ ⁻	H ⁺	0.3-1.25 (99%)	50 - 60	3.0	High TDS Water Softening and purification, with good exchange capacity and physical stability.
Nitrate , Arsenic & Iron Removal									
SBA	Macro porous	DCHR-74	Polystyrene	Nitrate Selective	Cl ⁻	0.3 - 1.2	50 - 56	0.9	Ideal for removal of Nitrate from water for portable process.
SBA	Macro porous	DCHR-78	Polystyrene	Arsenic Selective	Cl ⁻	0.3 - 1.2	50 - 56	0.9	Ideal for removal of Arsenic from water for portable process.
SPL		DIRM 412				0.3 - 1.2	46 - 54		Removal of dissolved Iron from ground water.
High Purity Water									
	Gel	DMB-13	Polystyrene	-SO ₃ ⁻ -N ⁺ R ₃	H ⁺ OH ⁻	0.3 - 1.2	-	-	Demineralization & Water purification
	Gel	DMB-13 S	Polystyrene	-SO ₃ ⁻ -N ⁺ R ₃	H ⁺ OH ⁻	0.3 - 1.2	-	-	Production of high purity Water for semi-conductor application.
Color Removal & COD Reduction									
SBA	Macro porous	DCR-11 (Type-1)	Polystyrene	-N ⁺ R ₃	Cl ⁻	0.3 - 1.2	50 - 60	0.8	Color removal from Textile waste water, COD reduction from Industrial waste water

Uniform Particle Size (UPS) Grade Resin Series

	Resin Type	DOSHION Resin	Matrix Type	Functional Group	Ionic Form	Particle Size (mm)	Moisture Content %	Total Exchange Capacity meq/ml	Applications
SAC	Gel	CSA-9 Na	Polystyrene	-SO ₃ ⁻	Na ⁺	0.5 - 0.7	43 - 49	2.0	Water Softening and purification, with good exchange capacity and physical stability.
SAC	Gel	CSA-9 H	Polystyrene	-SO ₃ ⁻	H ⁺	0.5 - 0.7	52 - 56	1.8	Demineralization with good exchange capacity and physical stability.
SAC	Gel	CSA-29	Polystyrene	-SO ₃ ⁻	Na ⁺	0.6 - 0.7	40 - 45	2.1	Demineralization and water purification, with good exchange capacity and physical stability.
SAC	Gel	CSA-29	Polystyrene	-SO ₃ ⁻	H ⁺	0.6 - 0.7	46 - 57	2.0	Demineralization and water purification, with good exchange capacity and physical stability.
SBA	Gel	GA-11	Polystyrene	-N ⁺ R ₃	Cl ⁻	0.55 - 0.65	50 - 56	1.2	Demineralization & Water purification
SBA	Gel	GA-11	Polystyrene	-N ⁺ R ₃	OH ⁻	0.55 - 0.65	56 - 65	1.0	Demineralization & Water purification
SBA	Gel	GA-13	Polystyrene	-N ⁺ R ₃	Cl ⁻	0.55 - 0.65	46 - 50	1.3	Demineralisation, Condensate Polishing & Water purification
SBA	Macro porous	ASB-8010 D (Type 1)	Polystyrene	-N ⁺ R ₃	Cl ⁻	0.55 - 0.70	55 - 65	1.1	Demineralisation, Condensate Polishing & Water purification
WBA	Macro porous	AWB-7050 D	Polystyrene	-N ⁺ R ₂	Free amine	0.5 - 0.6	50 - 63	1.3	Demineralisation & Water purification
	Gel	DMB-13	Polystyrene	-SO ₃ ⁻ -N ⁺ R ₃	H ⁺ OH ⁻	0.5 - 0.7	53 - 60	1.8 / 1.0	High purity water production

+91 - 079 4008 7766 | www.doshionpolymers.com | polymers@doshion.com

DOSHION POLY SCIENCE PVT LTD.

Corporate Office : 9-10, Sigma Corporate, B/H HOF Showroom, Off. Sindhu Bhavan Road, Bodakdev, Ahmedabad-380054
Warehouse : No 2, Tirupati Industrial Estate, Aslali Village, Ahmedabad - 382427, Gujarat, India.