

Resintech Inc.

MIXED BED RESINS AND REGENERATED PRODUCTS

PRODUCT	TYPE	IONIC FORM	APPROX SHIP WT lbs/cu.ft.	SCREEN SIZE US mesh percent	WATER RETENTION percent	TOTAL CAPACITY meq/ml (kgr./cu.ft.)	MAXIMUM TEMP. Degrees F.	TOTAL REVERSIBLE SWELLING percent	RECOMMENDED USES
CG8- H	Strong Acid Gel 8% DVB	H	50	+16 <2 -50 <1	49- 54	1.85 (40.4)	265	Na to H 5- 9	CG8 cation resin with high conversion to the hydrogen form, specially processed to reduce TOC throw.
CG10- H	Strong Acid Gel 10% DVB	H	52	+16 <2 -50 <1	46- 53	2.1 (45.9)	265	Na to H 5- 9	CG10 cation resin, with high conversion to the hydrogen form, specially processed to reduce TOC throw.
SBG1- OH	Strong Base Gel Type 1	OH	41	+16 <2 -50 <1	53- 60	1.2 (26.2)	140	Cl to OH 18- 22	Standard Type 1 anion resin with high degree of conversion to the hydroxide form, specially processed to reduce TOC throw.
SBG1P- OH	Strong Base Gel Porous	OH	40	+16 <2 -50 <1	65- 70	1.0 (21.9)	140	Cl to OH 20- 27	Type 1 porous anion resin with high degree of conversion to the hydroxide form, specially processed to reduce TOC throw.
SBG2- OH (NG only)	Strong Base Gel Type 2	OH	43	+16 <2 -50 <1	43- 50	1.3 (28.4)	95	Cl to OH 10- 15	Type 2 anion resin with high degree of conversion to the hydroxide form, specially processed to reduce amine odor and retain a light amber color throughout its life.
SBMP1- OH	Strong Base Type 1 Macro	OH	40	+16 <2 -50 <1	64- 73	.95 (20.8)	140	Cl to OH 15- 20	Type 1 macroporous resin with high degree of conversion to the hydroxide form, specially processed to reduce TOC throw.
MBD- 10	Strong Acid Gel Strong Base Gel (Type 1)	H/ OH	43	+16 <2 -50 <1	60 max	.68 (15)	140	Na/Cl to H/OH 15- 17	Mixed bed of highly regenerated hydrogen form cation and hydroxide form standard Type 1 anion resin. Low TOC throw. High capacity is particularly useful for disposable cartridges and single use applications.
MBD- 10- SC	Strong Acid Gel Strong Base Gel (Type 1)	H/ OH	43	+16 <2 -50 <1	60 max	.68 (15)	140	Na/Cl to H/OH 15- 17	
MBD- 10- LTOC	Strong Acid Gel Strong Base Gel (Type 1)	H/ OH	43	+16 <2 -50 <1	60 max	.68 (15)	140	Na/Cl to H/OH 15- 17	
MBD- 12 (NG only)	Strong Acid Gel Strong Base Gel (Type 1 Porous)	H/OH	43	+16 <2 -50 <1	60 max	.60 (13)	140	Na/Cl to H/OH 18- 20	Mixed bed resin that changes color as its exhausts. Cation resin component is dyed. Great for cartridge applications where visual determination of exhaustion is needed.
MBD- 15	Strong Acid Gel Strong Base Gel (Type 1 Porous)	H/OH	43	+16 <2 -50 <1	60 max	.60 (13)	140	Na/Cl to H/OH 18- 20	Mixed bed of highly regenerated hydrogen form and hydroxide form porous Type 1 anion resin. Specially processed to minimize TOC throw. Best choice for regenerable applications and ultrapure water.
MBD- 15- SC	Strong Acid Gel Strong Base	H/OH	43	+16 <2 -50 <1	60 max	.60 (13)	140	Na/Cl to H/OH 18- 20	

	Gel (Type 1 Porous)								
MBD- 15- LTOC	Strong Acid Gel Strong Base Gel (Type 1 Porous)	H/OH	43	+16 <2 -50 <1	60 max	.60 (13)	140	Na/Cl to H/OH 18- 20	
MBD- 16	Strong Acid Gel Strong Base Gel (Type 1 Porous)	H/OH	43	+16 <2 -50 <1	60 max	.60 (13)	140	Na/Cl to H/OH 18- 20	Mixed bed of highly regenerated hydrogen form 10 percent DVB cation and hydroxide form porous Type 1 anion resin. Specially processed to minimize TOC throw. Best choice for regenerable applications. Gives great backwash separation.
MBD- 20 (NG only)	Strong Acid Gel Strong Base Gel (Type 2)	H/OH	43	+16 <2 -50 <1	60 max	.80 (17.4)	95	Na/Cl to H/OH 9- 11	Mixed bed of highly regenerated hydrogen form cation and hydroxide form Type 2 anion resin. Low amine throw. Very high operating capacity.
MBD- 30 (NG only)	Strong Acid Gel Strong Base Gel (Type 1)	H/OH	43	+16 <2 -50 <1	60 max	.60 (13)	140	Na/Cl to H/OH 18- 20	Mixed bed resin that changes color as it exhausts. Anion resin component is dyed. Great for cartridge applications where visual determination of exhaustion is needed.

*NOTE: Nuclear grade products are designated by NG suffix, semiconductor grade products by SC suffix and Low TOC products by SC- LTOC suffix. All nuclear grade mixed beds are tested to 15 megohm resistivity. All semiconductor grade mixed beds are tested to 18 megohm resistivity. All products available as nuclear grade, semiconductor grade or low TOC grade unless otherwise indicated.