

RubyBond GC column

RubyBond GC column (RB GC column), has a great variety of stationary phases, including polysiloxane, PEG and PLOT, and plenty product specifications. RB GC column has already widely served in a great number of labs and research institutes, because of its high inertia, low bleeding, high column efficiency, long lifetime and high reproducibility.



RubyBond GC column

Product characteristics

Character 1: Rigorous quality control

Inertia: Inert surface make sure samples won't be adsorbed, the peak of separated components pointed and symmetrical, which leads to more stable and reliable analysis results. With strict material selection and unique surface treatment technique that keeps column inert, it can fulfill various needs of customers.

Column efficiency: With stringent requirements and complete evaluation criteria, RB GC column get higher column efficiency, which ensures efficient separation ability.

Flowing-away: With mature and advanced processing technique and unique bonding crosslinking technology, RB GC column still have low bleeding at relatively high temperature.

Reproducibility: Capacity factor and retention index are limited in a very narrow range, which ensures outstanding reproducibility between different columns.

Character 2: Excellent performance

Not only strictly controlled in the process of production, the columns are also rigorously tested about its inertia and efficiency, which leads to an extraordinary performance. Retention index and capacity factor are strictly controlled to ensure good reproducibility between columns.

Low bleeding

The low flowing-away stationary phase is synthesized by our special processing during the production. The columns have been passivated, bonded and baked out strictly before they leave the factory, which can reduce the bleeding to the minimum and meet the requirements of trace analysis and MS detection.

High inertia

RB GC column use the most rigorous mixed standard to test. This mixed standard have the features of low molecular weight, low boiling point, active group that not be 3D shielded. Using this kind of testing samples to evaluate columns, even extremely small active adsorption can be found, which guarantees high inertia.

Character 3: Reliable after-sale service and professional technique support

Our abundant separation experience and professional knowledge can provide our customers strong technique support; Compared with other manufacturers, we have nearly 30 agencies all around the nation, that can serve our customers in the first place.

Character 4: Reasonable price

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Introduction to the product variety

RB GC column has a great variety of stationary phases, including polysiloxane, PEG, PLOT and so on. RB GC column has plenty product specifications, and can provide special columns made to order. RB GC column strictly produced in accordance with the technological process. Each column will be tested by not only the conventional standard, but also unique professional technique, all that makes the performance of RB column is better than some famous brands. The table below compares RB column with common products on the market.

RB GC column

RB stationary phase	Stationary phase component	Polarity	Temperature limit	Similar stationary phase
RB-1, RB-1MS	100% Dimethylpolysiloxane	Non-polar	-60 to 325/350	DB-1, HP-1, DB-1MS, HP-1MS, Ultra-1, Rtx-1, ZB-1, BP-1, SPB-1, CP-Sil 5CB
RB-5, RB-5MS	5% Diphenyl 95% Dimethylpolysiloxane	Non-polar	-60 to 325/350	DB-5, HP-5, DB-5MS, HP-5MS, Ultra-2, Rtx-5, ZB-5, BP-5, SPB-5, CP-Sil 8CB
RB-35	35% Phenyl backbone 65% Dimethylpolysiloxane	moderate polarity	40 to 300/320	HP-35MS, DB-35MS, ZB-35, BPX-35, AT-35, Rtx-35, SPB-35
RB-50 RB-50+MS	50% Phenyl backbone 50% Dimethylpolysiloxane	moderate polarity	40 to 320/340	HP-50+, DB-17, DB-17MS, Rtx-50, ZB-50, SPB-50, 007-17, SP-2250, CP-Sil 24CB
RB-1301	6% Cyanopropyl-phenyl 94% Dimethylpolysiloxane	moderate polarity	-20 to 280/300	HP-1301, DB-1301, ZB-1301, BP-10, Rtx-1301
RB-1701	14% Cyanopropyl-phenyl 86% Dimethylpolysiloxane	moderate polarity	-20 to 280/300	DB-1701, ZB-1701, BP-10, Rtx-1701, CP-Sil 19CB
RB-624	6% Cyanopropyl-phenyl 94% Dimethylpolysiloxane	moderate polarity	-20 to 260	DB-624, ZB-624, AT-624, Rtx-624, CP-624
RB-225	50% Cyanopropylphenyl 50% Dimethylpolysiloxane	moderate polarity	40 to 220/240	DB-225, SP-2330, CP-Sil 43 CB, Rtx-225, BP-225, OV-225, 007-225, AT-225

RB stationary phase	Stationary phase component	Polarity	Temperature limit	Similar stationary phase
RB-InnoWax	Polyethylene glycol	Polarity	40 to 260/280	HP-INNOWax, DB-WAX, DB-WAXetr, Supelco WAX10, CB-WAX, AT-Wax, HP-20M
RB-CarboWax	Polyethylene glycol	Polarity	60 to 220	HP-20M, DB-CAM
RB-FFAP	Polyethylene glycol, acid modified	Polarity	50 to 260	HP-FFAP, DB-FFAP, CP-WAX 58(FFAP)CB, BP-21, AT-100
RB-PLOT Molesieves 5A	Molecular sieves, zeolite, 5A		-80 to 300	HP-PLOT Molesieve, CP-PLOT Molesieve
RB-PLOT Al ₂ O ₃ "KCl"	KCl modified Alumina		-60 to 200	HP-PLOT Al ₂ O ₃ /KCl, GS-Alumina/KCl, CP-Al ₂ O ₃ /KCl PLOT
RB-PLOT Al ₂ O ₃ "S"	Na ₂ SO ₄ modified Alumina		-60 to 200	HP-PLOT Al ₂ O ₃ /"S", GS-Alumina, CP-Al ₂ O ₃ /Na ₂ SO ₄ PLOT, RT-Alumina
RB-PLOT Al ₂ O ₃ "M"	Na ₂ MoO ₄ modified Alumina		-60 to 200	HP-PLOT Al ₂ O ₃ /"M", GS-Alumina
RB-PLOT Q	Divinylbenzen polymer	Non-polar	-80 to 280/300	HP-PLOT Q, GS-Q, CP-PoraPLOT Q HT, Rt-Q
RB-PLOT U	Divinylbenzen ethylene glycol Dimethacrylate Gopolymer	Polarity	-80 to 190/200	HP-PLOT U, CP-PoraPLOT U

Other brand columns are also available in Fuli's GC, like Restek series, DB series, HP series, etc.

FULI INSTRUMENTS