GC COLUMN SELECTION GUIDE

Phase	Description	Phase Attribute	Polarity	Operation Temp.
BP1	100% Dimethyl polysiloxane	General-purpose column; low bleed	Non-polar	0.1-1.0um -60C to 340/360C; 1.5-5.0um -60C to 280/300C
BPX1	100% dimensionally stabilized methylpolysiloxane	Ideal for simulated distillations (e.g. ASTM D2887 in the petroleum industry)	Non-polar	0.1um film to 430C; 0.9um film to 400C; 2.65um film to 370C
BPX5	5% Phenyl polysilphenylene-siloxane	Ideal for GC-MS, ECD; Ultra low bleed	Non-polar	-40C to 360/370C
BP5	5% Phenyl 95% Dimethyl polysiloxane	General purpose column; Low bleed	Non-polar	0.25-1.5um 340/350C; >=1.5um 280/300C
HT5	5% Phenyl polysiloxane-carborane	High temperature; Well suited to the petroleum; C5-C120 anaylsis	Non-polar	Polyimide Clad 0.1-1.0um 10C to 380/400C; Aluminum Clad 0.1-0.5um 10C to 460/480C
HT8	8% Phenyl polysiloxane-carborane	Ideal for PCB analysis; Low bleed	Non-polar	0.1-1.0um -20C to 360/370C
BP10	14% Cyanopropylphenyl	Used in environmental analysis; Low bleed	Moderately polar	-20C to 280/300C
BPX35	35% Phenyl polysilphenylene-siloxane	Ultra low bleed; Ideal for pesticides /herbicides	Moderately polar	0.1-1.0um 0C to 360/370C
BPX50	50% Phenyl polysilphenylene-siloxane	Ultra low bleed; Ideal for pharmaceuticals	Moderately polar	0.1-1.0um 0C to 360/370C
BP20 (WAX)	Polyethylene glycol	Suitable for use in GC-MS systems; alcohols/free acids	Polar	0.1-<1.0um 20C to 260/280C; >=1.0um 240/260C
BP21	Polyethylene glycol (TPA treated)	Bonded FFAP; alcohols/free acids	Polar	0.1-1.0m 35C to 240/260C
BPX70	70% Cyanopropyl polysilphenylene-siloxane	Optimized for FAME; Low bleed	Highly polar	0.1-1.0um 50C to 250/260C
BPX608	35% Phenyl polysilphenylene-siloxane	Optimized for separation of EPA 608 Organics Chlorinated Pesticides	Moderately polar	0C to 360/370C
BP624	Cyanopropylphenyl Dimethyl polysiloxane	Optimized for analysis of EPA drinking water target components	Slightly polar	1.4um - 0C to 230/240C; 1.8um - 0C to 230/240C; 3.0um - 0C to 230/240C
BP1-PONA	100% Dimethyl polysiloxane	Optimized for the analysis of gasoline hydrocarbons	Non-polar	-60C to 280/300C
SolGel-1ms™	100% Dimethyl polysiloxane in a Sol-Gel matrix	High temperature inert GC-MS column	Non-polar	0C to 380C
SolGel-WAX™	Polyethylene glycol in a Sol-Gel matrix	High temperature inert column Ideal for GC-MS	Polar	30C to 300C
CYDEX-B	Permethylated Beta-cyclodextrin in OV1701	Chiral separations	---	30C to 220/240C