

Agilent GC Capillary Columns



HP-Chiral β

- Beta-cyclodextrin in (35% Phenyl) - methylpolysiloxane
- 20 β best choice for initial screening

Chiral-10 β

ID(mm)	Length	Film	Iso/Prog	Cat. No.
0.25	30m	0.25 μ m	240/250	19091G-B133
0.32	30m	0.25 μ m	240/250	19091G-B113

Chiral-20 β

ID(mm)	Length	Film	Iso/Prog	Cat. No.
0.25	30m	0.25 μ m	240/250	19091G-B233
0.32	30m	0.25 μ m	240/250	19091G-B213

HP-VOC

- Selectivity engineered for:
US EPA Methods 502.2, 524.2, and 8260

ID(mm)	Length	Film	Iso/Prog	Cat. No.
0.20	30m	1.12 μ m	-60 to 280	19091R-303
	60m	1.12 μ m	-60 to 280	19091R-306
0.32	60m	1.80 μ m	-60 to 280	19091R-316
	90m	1.00 μ m	-60 to 280	19091R-219
	90m	1.80 μ m	-60 to 280	19091R-319
0.53	90m	3.00 μ m	-60 to 280	19095R-429
	105m	3.00 μ m	-60 to 280	19095R-420

HP-Fast GC Residual Solvent

- Equivalent to USP Phase G43
- Thinner film reduces run time by 2.5 times and increases MDL by 2 times compared to standard film thickness used for this method

ID(mm)	Length	Film	Iso/Prog	Cat. No.
0.53	30m	1.0 μ m	280/300	19095V-420

PAS-5

- Designed for the analysis of organochlorine pesticides
- ECD tested to assure minimal pesticide breakdown and low ECD bleed

ID(mm)	Length	Film	Iso/Prog	Cat. No.
0.32	25m	0.52 μ m	325/350	19091S-010

HP-PLOT Al_2O_3 "KCI"

- Aluminum oxide deactivated with KCl
- Low retention of olefins relative to comparable paraffin
- Excellent for quantitation of dienes, esp. propadiene and butadiene from ethylene and propylene streams

ID(mm)	Length	Film	Max ° C	Cat. No.
0.25	30m	5 μ m	200	19091P-K33
0.32	50m	8 μ m	200	19091P-K15
0.53	30m	15 μ m	200	19095P-K23
	50m	15 μ m	200	19095P-K25

HP-PLOT Al_2O_3 "M"

- Aluminum oxide deactivated with proprietary deactivation
- Good for resolving acetylene from butane and propylene from isobutane

ID(mm)	Length	Film	Max ° C	Cat. No.
0.32	50m	8 μ m	200	19091P-M15
0.53	30m	15 μ m	200	19095P-M23
	50m	15 μ m	200	19095P-M25

HP-PLOT Al_2O_3 "S"

- Aluminum oxide deactivated with sodium sulfate
- Best for resolving acetylene from butane and propylene from isobutane

ID(mm)	Length	Film	Max ° C	Cat. No.
0.25	15m	5 μ m	200	19091P-S31
	30m	5 μ m	200	19091P-S33
0.32	50m	8 μ m	200	19091P-S15
	15m	15 μ m	200	19095P-S21
0.53	30m	15 μ m	200	19095P-S23
	50m	15 μ m	200	19095P-S25

Ethylene

Column: HP-PLOT/ Al_2O_3 "S", 19095P-S25
 50m x 0.53mm ID, 15 μ m
 GC: 6890
 Sample: Ethylene 98.4%
 Carrier: Helium, 50cm/sec (35° C)
 7mL/min constant flow
 Oven: 35° C for 2 minutes
 35-100° C at 5° C
 Injection: Split 65:1, 250° C, 5 μ L
 Detector: FID 250° C

