

PITTCON 2007

MXT[®] Columns

Inert Stainless Steel Capillary GC Columns

- Durable—unbreakable stainless steel columns.
- Inert—proprietary Sulfinert[®] deactivation greatly reduces compound activity in columns.
- Stable—high temperature phases allow faster throughput and extended molecular weight analysis.
- Options—More than 20 phases in many configurations.
- Convenience—columns coiled to fit ANY process GC.
- Confidence—consistent column-to-column performance provides reliable, repeatable results.



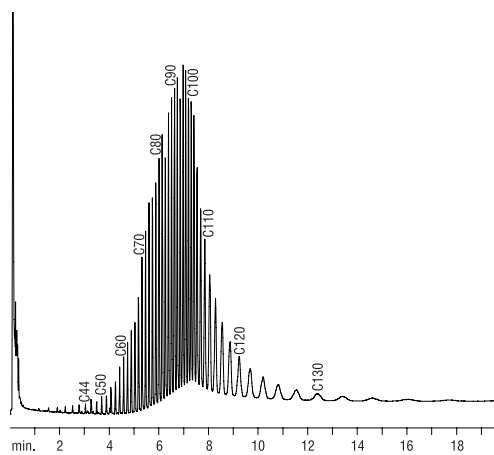
Chromatography Products

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MXT® Columns

With Restek, you are not limited to conventional phases for metal GC columns. We offer the most complete metal column line available, including many special-purpose phases.

Figure 1—Hydrocarbons, C44-C130, on an MXT®-1HT Sim Dist column.



GC_PC00543

MXT®-1HT Sim Dist 5m, 0.53mm ID, 0.10µm (cat.# 70100)
 Sample: Polywax® 1000 (cat.# 36227)
 Solvent: carbon disulfide
 Sample size: 0.2µL
 Instrument: Agilent 5890 GC w/GC Racer
 Injector: on-column (track oven)
 Carrier gas: hydrogen, constant pressure (1.0psi)
 Detector: FID/430°C
 Oven temp.: 40°C to 430°C @ 60°C/min. (hold 30 min.)

MXT®-2887 (Silcosteel® treated stainless steel)

(Crossbond® 100% dimethyl polysiloxane—for simulated distillation)

ID	df (µm)	temp. limits	10-Meter
0.53mm	2.65	-60 to 400°C	70199

MXT®-1HT Sim Dist (Siltek® treated stainless steel)

ID	df (µm)	temp. limits	5-Meter
0.53mm	0.10	-60 to 430°C	70100

MXT®-1 Sim Dist (Siltek® treated stainless steel)

ID	df (µm)	temp. limits	6-Meter
0.53mm	0.15	-60 to 400°C	70101

MXT®-500 Sim Dist (Siltek® treated stainless steel)

ID	df (µm)	temp. limits	6-Meter
0.53mm	0.15	-60 to 430°C	70104

MXT®-1 (Silcosteel® treated stainless steel)

(Crossbond® 100% dimethyl polysiloxane)

ID	df (µm)	temp. limits	6-Meter	15-Meter	30-Meter	60-Meter
0.25mm	0.10	-60 to 330/400°C		70105	70116	70117
	0.25	-60 to 360°C		70120	70123	70126
	0.50	-60 to 350°C		70135	70138	70141
	1.00	-60 to 340°C		70150	70153	70156
0.28mm	0.10	-60 to 360°C	70102*	70106	70109	
	0.25	-60 to 360°C		70121	70124	70127
	0.50	-60 to 330°C		70136	70139	70142
	1.00	-60 to 320°C		70151	70154	70157
0.53mm	3.00	-60 to 285°C		70181	70184	70187
	0.15	-60 to 400°C	70101**			
	0.25	-60 to 360°C		70122	70125	70128
	0.50	-60 to 330°C		70137	70140	70143
1.00	1.00	-60 to 320°C		70152	70155	70158
	1.50	-60 to 310°C		70167	70170	70173
	3.00	-60 to 285°C		70182	70185	70188
	5.00	-60 to 270°C		70177	70179	70183
7.00	7.00	-60 to 250°C		70191	70192	70193
	0.18mm	0.20	-60 to 330/350°C	71811	71812	71813
	0.40	-60 to 320/340°C	71814	71815	71816	

Maximum temperatures listed are for 15- and 30-meter lengths. Longer lengths may have a slightly reduced maximum temperature.

*Temperature limits are -60 to 400°C.

**For simulated distillation.

MXT®-WAX (Silcosteel® treated stainless steel)

(Crossbond® Carbowax® polyethylene glycol—provides oxidation resistance)

ID	df (µm)	temp. limits	15-Meter	30-Meter	60-Meter
0.25mm	0.10	40 to 260°C	70605	70608	70611
	0.25	40 to 260°C	70620	70623	70626
	0.50	40 to 260°C	70635	70638	70641
0.28mm	0.25	40 to 250°C	70621	70624	70627
	0.50	40 to 250°C	70636	70639	70642
	1.00	40 to 240°C	70651	70654	70657
0.53mm	0.25	40 to 250°C	70622	70625	70628
	0.50	40 to 250°C	70637	70640	70643
	1.00	40 to 240°C	70652	70655	70658
	1.50	40 to 230°C	70666	70669	70672
2.00	40 to 220°C	70667	70670		
	ID	df (µm)	temp. limits	10-Meter	20-Meter
0.18mm	0.20	40 to 250°C	71861	71862	71863
	0.40	40 to 250°C	71864	71865	71866

Other Stationary Phases Available:

MXT®-5	MXT®-65TG	MXT®-50
MXT®-20	MXT®-502.2	MXT®-200
MXT®-624	MXT®-Volatiles	MXT®-BAC1
MXT®-35	MXT®-1301	MXT®-BAC2
MXT®-65	MXT®-1701	

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Other Trademarks:
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