

**MXT®-1** (nonpolar phase; Crossbond® 100% dimethyl polysiloxane)

- General purpose columns for solvent impurities, PCB congeners or (e.g.) Aroclor mixes, simulated distillation, drugs of abuse, gases, natural gas odorants, sulfur compounds, essential oils, hydrocarbons, semivolatiles, pesticides, and oxygenates.
- Temperature range: -60°C to 430°C.
- Equivalent to USP G1, G2, G38 phases.

MXT®-1 columns exhibit long lifetime and very low bleed at high operating temperatures. A proprietary synthesis process eliminates residual catalysts that could cause degradation and increase bleed.

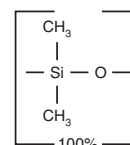
**MXT®-1 Columns** (Siltek® treated stainless steel)

(Crossbond® 100% dimethyl polysiloxane)

ID	df (µm)	temp. limits	6-Meter	15-Meter	30-Meter	60-Meter	105-Meter
0.25mm	0.10	-60 to 330/430°C		70105	70116	70117	70114
	0.25	-60 to 430°C		70120	70123	70126	70129
	0.50	-60 to 400°C		70135	70138	70141	70144
	1.00	-60 to 340°C		70150	70153	70156	70159
0.28mm	0.10	-60 to 430°C	70102	70106	70109		
	0.25	-60 to 430°C		70121	70124	70127	
	0.50	-60 to 400°C		70136	70139	70142	
	1.00	-60 to 320°C		70151	70154	70157	
	3.00	-60 to 285°C		70181	70184	70187	
0.53mm	0.15	-60 to 430°C	70101*				
	0.25	-60 to 430°C		70122	70125	70128	
	0.50	-60 to 400°C		70137	70140	70143	
	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	70189
	5.00	-60 to 270°C		70177	70179	70183	
	7.00	-60 to 250°C		70191	70192	70193	
0.18mm	0.20	-60 to 330/430°C	71811	71812	71813		
	0.40	-60 to 320/400°C	71814	71815	71816		

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

\*For simulated distillation.

**MXT®-1  
Structure**similar **phases**

DB-1, DB-1MS, HP-1, HP-1MS, Ultra-1, SPB-1, Equity-1, MDN-1, CP-Sil 5 CB, VF-1ms

**Quality Assurance Group**

Shane Stevens, Steve Constable, Corby Hillard, Jim Richards, Glenn Gerhab, Chris Zucco, Lenny Miller, Deb Conklin, Trisha Houser, John Kalmbach