

MXT[®]-1 Columns (Siltek[®]-treated stainless steel)(nonpolar phase; Crossbond[®] dimethyl polysiloxane)

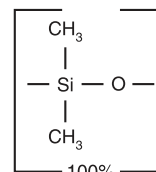
- General-purpose columns for solvent impurities, PCB congeners (e.g., Aroclor mixes), gases, natural gas odorants, sulfur compounds, essential oils, hydrocarbons, semivolatiles, pesticides, and oxygenates.
- Temperature range: -60 °C to 430 °C.
- Equivalent to USP G1, G2, G38 phases.
- 4.5" standard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

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.

ID	df	temp. limits*	6-Meter cat.#	15-Meter cat.#	30-Meter cat.#	60-Meter cat.#	105-Meter cat.#
0.25 mm	0.10 μm	-60 to 360/430 °C		70105	70116	70117	70114
	0.25 μm	-60 to 360/430 °C		70120	70123	70126	70129
	0.50 μm	-60 to 330/400 °C		70135	70138		
	1.00 μm	-60 to 320/360 °C		70150	70153	70156	70159
0.28 mm	0.10 μm	-60 to 360/430 °C	70102	70106	70109		
	0.25 μm	-60 to 360/430 °C		70121	70124	70127	
	0.50 μm	-60 to 400 °C			70139	70142	
	1.00 μm	-60 to 320/360 °C		70151	70154	70157	
	3.00 μm	-60 to 285/360 °C		70181	70184	70187	
0.53 mm	0.15 μm	-60 to 360/430 °C	70101	70107			
	0.25 μm	-60 to 360/430 °C		70122	70125	70128	
	0.50 μm	-60 to 330/400 °C		70137	70140	70143	
	1.00 μm	-60 to 320/360 °C		70152	70155	70158	
	1.50 μm	-60 to 310/360 °C		70167	70170	70173	
	3.00 μm	-60 to 285/360 °C		70182	70185	70188	70189
	5.00 μm	-60 to 270/360 °C		70177	70179	70183	
	7.00 μm	-60 to 240/360 °C		70191	70192	70193	

ID	df	temp. limits	10-Meter cat.#	20-Meter cat.#	40-Meter cat.#
0.18 mm	0.20 μm	-60 to 330/430 °C	71811	71812	71813
	0.40 μm	-60 to 320/400 °C		71815	71816

*Maximum temperatures listed are for shorter length columns. Longer columns may have a different maximum temperature.

MXT[®]-1 Structure

Similar to: (100%-methyl)-polysiloxane

similar phases

DB-PS1, UAC-1, UAC-1MS

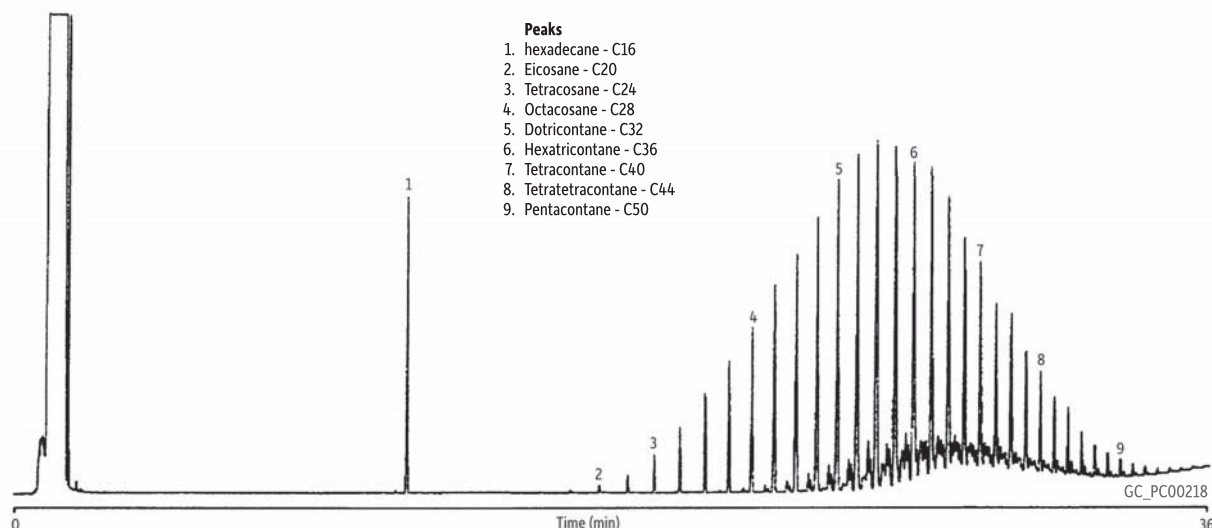
free literature

Analyzing Oxygenates in Gasoline Using TCEP and Rtx[®]-1/MXT[®]-1 Columns

Download your free copy from

www.restek.com

lit. cat.# 59587A

**Petroleum Wax on MXT[®]-1**

Column MXT[®]-1, 30 m, 0.28 mm ID, 0.25 μm (cat.# 70124)
Sample Petroleum wax
Diluent: cyclohexane
Conc.: 0.1% w/w
Injection
Inj. Vol.: 1.0 μL cold on-column

Oven
Oven Temp.: 50 °C to 400 °C at 10 °C/min (hold 10 min)
Carrier Gas H₂, constant flow
Linear Velocity: 60 cm/sec @ 50 °C
Detector FID @ 400 °C
Notes FID sensitivity: 64 x 10⁻¹¹ AFS