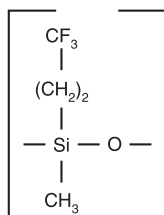
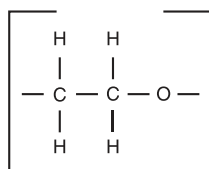


MXT®-200 Structure



Similar to: (trifluoropropyl)-methylpolysiloxane

MXT®-WAX Structure



similar phases

DB-PSWAX, UAC-CW

also
availableMetal MXT®
PLOT Columns

See page 129.



MXT®-200 Columns (Siltek®-treated stainless steel)

(midpolarity phase; Crossbond® trifluoropropylmethyl polysiloxane)

- General-purpose columns for solvents, Freon® fluorocarbons, alcohols, ketones, silanes, and glycols. Excellent confirmation column with an Rtx®-5 column, for phenols, nitrosamines, organochlorine pesticides, chlorinated hydrocarbons, and chlorophenoxy herbicides.
- Temperature range: -20 °C to 400 °C.
- Equivalent to USP G6 phase.
- 4.5" standard coil diameter.

| ID | df | temp. limits* | 15-Meter cat.# | 30-Meter cat.# | 60-Meter cat.# |
|---------|---------|-------------------|-------------------|-------------------|-------------------|
| 0.25 mm | 0.50 µm | -20 to 400 °C | | 75038 | |
| | 1.00 µm | -20 to 310/360 °C | | 75053 | |
| 0.53 mm | 1.00 µm | -20 to 290/360 °C | 75052 | 75055 | 75058 |
| | 1.50 µm | -20 to 280/360 °C | | 75070 | 75073 |
| | 3.00 µm | -20 to 260/360 °C | 75082 | 75085 | 75088 |

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

MXT®-WAX Columns (Siltek®-treated stainless steel)

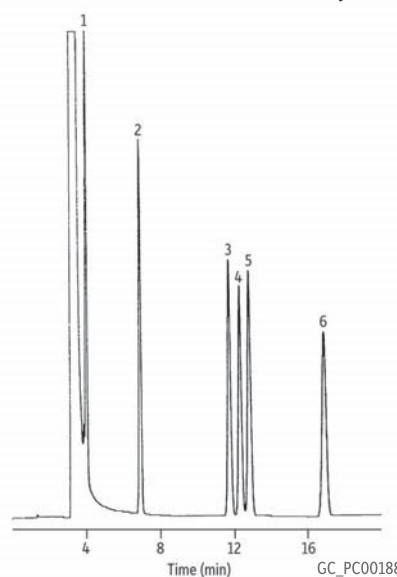
(polar phase; Crossbond® Carbowax® polyethylene glycol—provides oxidation resistance)

- General-purpose columns for FAMES, flavor compounds, essential oils, amines, solvents, xylene isomers, and U.S. EPA Method 603 (acrolein/acrylonitrile).
- Temperature range: 40 °C to 260 °C.
- Equivalent to USP G14, G15, G16, G20, and G39 phases.
- 4.5" standard coil diameter.

| ID | df | temp. limits | 15-Meter cat.# | 30-Meter cat.# | 60-Meter cat.# |
|---------|---------|------------------|-------------------|-------------------|-------------------|
| 0.25 mm | 0.25 µm | 40 to 250/260 °C | 70620 | 70623 | |
| | 0.50 µm | 40 to 260 °C | | 70638 | |
| 0.28 mm | 0.25 µm | 40 to 250/260 °C | | 70624 | |
| | 0.50 µm | 40 to 250/260 °C | | 70639 | 70642 |
| | 1.00 µm | 40 to 240/250 °C | 70651 | 70654 | 70657 |
| 0.53 mm | 0.25 µm | 40 to 250/260 °C | 70622 | 70625 | |
| | 0.50 µm | 40 to 250/260 °C | 70637 | 70640 | |
| | 1.00 µm | 40 to 240/250 °C | 70652 | 70655 | 70658 |
| | 1.50 µm | 40 to 230/250 °C | 70666 | 70669 | 70672 |
| | 2.00 µm | 40 to 220/250 °C | 70667 | 70670 | |

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

Aromatics (Benzene/Toluene/Xylene) on MXT®-WAX



Peaks

1. Benzene
2. Toluene
3. Ethylbenzene
4. *p*-Xylene
5. *m*-Xylene
6. *o*-Xylene

Column MXT®-WAX, 30 m, 0.28 mm ID, 1.00 µm
(cat.# 70654)

Sample Injection BTEX Standard (cat.# 30051)

Inj. Vol.: 1.0 µL split (split ratio 100:1)
Inj. Temp.: 260 °C

Oven Oven Temp.: 60 °C

Carrier Gas H₂, constant flow

Linear Velocity: 38 cm/sec

Detector FID @ 260 °C

Notes FID sensitivity: 3.2 x 10⁻¹¹ AFS