MXT®-1HT Sim Dist, MXT®-1 Sim Dist, MXT®-500 Sim Dist, MXT®-20

MXT®-1HT Sim Dist/MXT®-1 Sim Dist/MXT®-500 Sim Dist (nonpolar phases)

- Application-specific columns in unbreakable Siltek® treated stainless steel tubing meet all resolution criteria for high temperature simulated distillation (e.g., ASTM Method D2887 Extended).
- MXT®-1HT Sim Dist and MXT®-1 Sim Dist phases offer true methyl silicone polarity; MXT®-500 Sim Dist phase is a carborane siloxane polymer.
- Stable to 430°C.

Mark Lawrence
Northeast Area
Sales Representative
10+ years of service!

Manufactured from Siltek® treated stainless steel tubing, MXT® columns are the most durable high temperature GC columns available. As outlined in ASTM Method D-6352, high temperature simulated distillation requires a column that can withstand temperatures to 430°C. MXT®-1HT Sim Dist and MXT®-500 Sim Dist columns exhibit excellent peak shape and low bleed, even at 430°C! The unique MXT®-1HT Sim Dist methyl silicone polymer gives the correct retention time/boiling point curve. The MXT®-500 Sim Dist carborane siloxane polymer offers a slight shift in the calculated boiling range distribution for petroleum samples containing aromatic hydrocarbons.

similar **phases**

DB-1HT, CP-HT-Simdist CB

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

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

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

ID	df (µm)	temp. limits	6-Meter
0.53mm	0.15	-60 to 430°C	70101

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

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

Polywax® Calibration Materials

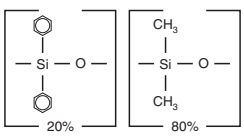
Description	qty.	cat.#
Polywax® 655 calibration material	1g	36225
Polywax® 1000 calibration material	1g	36227

MXT®-20 (low to midpolarity phase; Crossbond® 20% diphenyl/80% dimethyl polysiloxane)

- General purpose columns for volatile compounds, flavor compounds, and alcoholic beverages.
- Temperature range: -20°C to 320°C.
- Equivalent to USP G28, G32 phases.

MXT®-20 polymer is synthesized to exacting standards. All residual catalysts and low molecular weight fragments are removed from the polymer, providing a tight monomodal distribution and extremely low bleed.

MXT®-20 Structure



similar **phases**

SPB-20, VOCOL

MXT®-20 Columns (Siltek® treated stainless steel)
(Crossbond® 20% diphenyl/80% dimethyl polysiloxane)

ID	df (µm)	temp. limits*	15-Meter	30-Meter	60-Meter
0.25mm	0.25	-20 to 320°C	70320	70323	70326
	1.00	-20 to 300°C	70350	70353	70356
0.28mm	0.25	-20 to 310°C	70321	70324	70327
	1.00	-20 to 295°C	70351	70354	70357
	3.00	-20 to 260°C	70381	70384	70387
0.53mm	0.25	-20 to 310°C	70322	70325	70328
	1.00	-20 to 295°C	70352	70355	70358
	3.00	-20 to 260°C	70382	70385	70388

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