

# MXT Product Listing & Accessories

Restek offers a large selection of MXT capillary columns now available in eight different polarities!

\* Custom columns are available: call your local distributor if the column you require is not shown here.

MXT-1 (100% dimethyl polysiloxane)	max.*		0.28mm ID columns			0.53mm ID columns		
	df(um)	temp.	15-meter cat.#	30-meter cat.#	60-meter cat.#	15-meter cat.#	30-meter cat.#	60-meter cat.#
Applications SIM DIST, waxes, fuel oils, pharmaceuticals & solvents	0.10	400C	70106	70109	—	70122	70125	70128
	0.25	360C	70121	70124	70127	70137	70140	70143
	0.50	330C	70136	70139	70142	70152	70155	70158
	1.00	325°C	70151	70154	70157	70167	70170	70173
	1.50	320C	—	—	—	70182	70185	70188
	3.00	300C	70181	70184	70187	70177	70179	70183
	5.00	275°C	—	—	—	70191	70192	70193
	7.00	250°C	—	—	—	105m, 0.53mm ID, 3.0um, cat.# 70189		
<b>MXT-5</b> (95 % dimethyl/ 5 % diphenyl polysiloxane)	df (um)	max.* temp.	15-meter cat.#	30-meter cat.#	60-meter cat.#	15-meter cat.#	30-meter cat.#	60-meter cat.#
Applications semi-volatiles, pesticides, FCBs, environmental samples & essential oils	0.25	360°C	70221	70224	70227	70222	70225	70228
	0.50	330C	70236	70239	70242	70237	70240	70243
	1.0	325°C	70251	70254	70257	70252	70255	70258
	1.5	320°C	—	—	—	70267	70270	70273
	3.0	300C	70281	70284	70287	70282	70285	70288
	5.0	275°C	—	—	—	70277	70279	70283
<b>MXT-1301</b> (7% cyanopropyl 93% dimethyl polysiloxane)	df (um)	max.* temp.	15-meter cat.#	30-meter cat.#	60-meter cat.#	15-meter cat.#	30-meter cat.#	60-meter cat.#
Applications volatile organics & pharmaceutical	0.25	280°C	76021	76024	76027	76022	76025	76028
	0.50	270C	76036	76039	76042	76037	76040	76043
	1.0	260C	76051	76054	76057	76052	76055	76058
	1.5	250°C	76066	76069	76072	76067	76070	76073
	3.0	240C	—	—	—	76082	76085	76088
<b>MXT-20</b> (80% dimethyl/ diphenyl polysiloxane)	df (um)	max.* temp.	15-meter cat.#	30-meter cat.#	60-meter cat.#	15-meter cat.#	30-meter cat.#	60-meter cat.#
Applications flavor aromatics, alcoholic beverages	0.25	310C	70321	70324	70327	70322	70325	70328
	0.50	300C	70336	70339	70342	70337	70340	70343
	1.0	295°C	70351	70354	70357	70352	70355	70358
	1.5	280°C	70366	70369	70372	70367	70370	70373
	3.0	260°C	70381	70384	70387	70382	70385	70388
<b>MXT-1701</b> (14% Cyanopropyl 86% dimethyl polysiloxane)	df (um)	max.* temp.	15-meter cat.#	30-meter cat.#	60-meter cat.#	15meter cat.#	30-meter cat.#	60-meter cat.#
Applications pesticides, PCBs, pharmaceutical, alcohols and solvents	0.25	280C	72021	72024	72027	72022	12025	72028
	0.50	270°C	72036	72039	72042	72037	72040	72043
	1.0	260°C	72051	72054	72057	72052	72055	72058
	1.5	250°C	72066	72069	72072	72067	72070	72073
	3.0	240°C	—	—	—	72082	72085	72088
<b>MXT-Wax</b> Crossbond Carbowax	df (um)	max.* temp.	15-meter cat.#	30-meter cat.#	60-meter cat.#	15-meter ca t.#	30-meter cat.#	60-meter cat.#
Applications FAMES, flavors, BTEX essential oils, EPA Method 603	0.25	250C	70621	70624	70627	70622	70625	70628
	0.50	240C	70636	70639	70642	70637	70640	70643
	1.0	230°C	70651	70654	70657	70652	70655	70658
	1.5	220C	—	—	—	70666	70669	70672
	2.0	230°C	—	—	—	70667	70670	—

### Special Application Specific MXT Columns

<b>MXT-502.2</b> Applications volatile organics			0.28mm ID columns			0.53mm ID columns		
			30-meter cat.#	60-meter cat.#	105-meter cat.#	30-meter cat.#	60-meter cat.#	105-meter cat.#
	df (um)	max.* temp.	70919	70920	70921	70908	70909	70910
	1.6	270°C	—	—	—	—	—	—
	3.0	270°C	—	—	—	—	—	—
<b>MXT-Volatiles</b> Applications volatile organics, trihalomethanes	df (um)	max.* temp.	70924	70926	70928	70925	70927	70929
	1.25	275°C	—	—	—	70922	70923	—
	2.0	275°C	—	—	—	—	—	—
	3.0	250v	—	—	—	—	—	—
<b>MXT-624</b> (Crossbond <sup>®</sup> 6% cyanopropyl- phenyl, 94% dimethyl polysiloxane)  Applications EIPA Methods 502.2, 524I, 624,8240 & 8260	df (0m)	max.* temp.				70971	70973	70975
	3.00	240°C				75m, 0.53mm ID, 3.0pm, cat.# 70974		
<b>SIM DIST MXT-1</b>	6m, 0.53mm ID, 0.15pm, cat.# 70101*					*cat# 70101's are tested at 400C but may be run at 430C.		
<b>SIM DIST MXT-2887</b> ASTM Method 2887	10m, 0.53mm ID, 2.65pm, cat.# 70199**					**cat.# 70199's maximum temperature is 360C.		
* All maximum operating temperatures are for 30m columns. Maximum temperatures may be slightly lower for longer lengths. Note: Custom columns are available upon request.								

### Choosing Ferrules for MXT Columns

Either graphite or Vespel<sup>®</sup>/graphite ferrules can be used with MXT columns. Graphite ferrules are soft and pliable, allowing a 0.8mm ID size to seal both 0.28 and 0.53mm ID MXT columns. Our recommended choice of ferrules for MXT columns are graphite. They are available for standard 1/16" Swagelok-type instrument fittings or in a special compact version for HP 5890 capillary inlets. Easy-to-use graphite ferrules offer thermal stability to 450°C. Vespel/graphite ferrules are recommended for mass spectrometers or in applications where the seal will be under vacuum. Because Vespel<sup>®</sup>/graphite is hard, it must closely match the outside diameter of the column or a proper seal will not be made. Use 0.6mm ID Vespel/graphite ferrules for 0.28mm ID columns and 0.8mm ID Vespel/graphite ferrules for 0.53mm ID columns. Vespel/graphite ferrules can be re-used many times and they have a maximum operating temperature of 400°C. Always remember to tighten Vespel/graphite ferrules after an initial thermal cycle to compensate for shrinkage.

Ferrules for 1/16" Swagelok-type Capillary Fittings					
Ferrule ID	Fits MXT@ Column ID	Graphite cat#		Vespel <sup>®</sup> /Graphite cat.#	
0.8mm	0.53mm	20202	10-pk.	20213	10-pk.
0.8mm	0.53mm	20224	50-pk.	20230	50-pk.
0.6mm	0.28mm	—	—	20232	10-pk.
Compact Graphite Ferrules for HP GCs (for capillary injection ports)					
0.8mm	0.53mm	20252	10-pk.	20253	