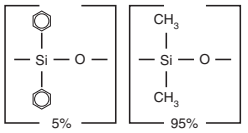
MXT®-5, MXT®-2887, and MXT®-Biodiesel TG

MXT®-5 Structure



MXT®-5 (low polarity phase; Crossbond® 5% diphenyl/95% dimethyl polysiloxane)

- General purpose columns for drugs, solvent impurities, pesticides, hydrocarbons, PCB congeners or (e.g.) Aroclor mixes, essential oils, and semivolatiles.
- Temperature range: -60°C to 430°C.
- Equivalent to USP G27, G36 phases.

The 5% diphenyl/95% dimethyl polysiloxane stationary phase is the most popular GC stationary phase and is used in a wide variety of applications. All residual catalysts and low molecular weight fragments are removed from the MXT®-5 polymer, providing a tight monomodal distribution and extremely low bleed.

similar phases

DB-5, HP-5, HP-5MS, Ultra-2, SPB-5, Equity-5, MDN-5, CP-Sil 8 CB

Note: DB-5MS is a silarylene based polymer equivalent to Rxi®-5Sil MS.

MXT®-5 Columns (Siltek® treated stainless steel)

(Crossbond® 5% diphenyl/95% dimethyl polysiloxane)

ID	df (µm)	temp. limits*	15-Meter	30-Meter	60-Meter
0.25mm	0.10	-60 to 430°C	70205	70208	70211
	0.25	-60 to 430°C	70220	70223	70226
	0.50	-60 to 400°C	70235	70238	70241
	1.00	-60 to 340°C	70250	70253	70256
0.28mm	0.25	-60 to 430°C	70221	70224	70227
	0.50	-60 to 400°C	70236	70239	70242
	1.00	-60 to 325°C	70251	70254	70257
	3.00	-60 to 290°C	70281	70284	70287
0.53mm	0.25	-60 to 430°C	70222	70225	70228
	0.50	-60 to 400°C	70237	70240	70243
	1.00	-60 to 325°C	70252	70255	70258
	1.50	-60 to 300°C	70267	70270	70273
	3.00	-60 to 290°C	70282	70285	70288
	5.00	-60 to 270°C	70277	70279	70283

ID	df (µm)	temp. limits	10-Meter	20-Meter	40-Meter
0.18mm	0.20	-60 to 325/430°C	71821	71822	71823
	0.40	-60 to 325/400°C	71824	71825	71826

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

MXT®-2887 (nonpolar phase; Crossbond® 100% dimethyl polysiloxane)

- Application-specific columns for simulated distillation.
- Stable to 400°C.

MXT®-2887 columns' stationary phase, column dimensions, and film thickness have been optimized to exceed the resolution and skewing factor requirements currently specified in ASTM method D2887. Each column is individually tested to guarantee a stable baseline with low bleed and reproducible retention times. The Crossbond® methyl silicone stationary phase has increased stability compared to packed columns, ensuring stable baselines and shorter conditioning times. Manufactured from Siltek®-treated stainless steel tubing, MXT® columns are the most durable high temperature GC columns available.

similar phases

DB-2887, Petrocol EX2887, CP-HT-Simdist CB

MXT®-2887 Column (Siltek® treated stainless steel)

(Crossbond® 100% dimethyl polysiloxane—for simulated distillation)

ID	df (µm)	temp. limits	10-Meter
0.53mm	2.65	-60 to 400°C	70199

new!

MXT®-Biodiesel TG

- Fast analysis times and sharp glyceride peaks.
- Stable at 430°C for reliable, consistent performance.
- Integra-Gap™ built-in retention gap eliminates manual connection.

MXT®-Biodiesel TG Columns (Siltek® treated stainless steel)

ID	df (µm)	temp. limits	14-Meter w/2m Integra-Gap™*
0.53mm	0.16	-60 to 380/430°C	70289

ID	df (µm)	temp. limits	10-Meter w/2m x 0.53mm retention gap**
0.32mm	0.10	-60 to 380/430°C	70290

*Total column length=16 meters.

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