

Rxi®-5ms (low polarity phase, Crossbond® 5% diphenyl/95% dimethyl polysiloxane)

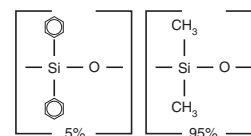
- General purpose columns for semivolatiles, phenols, amines, residual solvents, drugs of abuse, pesticides, PCB congeners or (e.g.) Aroclor mixes, solvent impurities.
- Most inert column on the market.
- Ultra-low bleed—improved signal-to-noise ratio, for better sensitivity and mass spectral integrity.
- Temperature range: -60°C to 330/350°C (bleed tested temperature/maximum operating temperature).
- Equivalent to USP G27 phase.

Rxi®-5ms Columns (fused silica)

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

ID	df (µm)	temp. limits	15-Meter	30-Meter	60-Meter
0.25mm	0.25	-60 to 330/350°C	13420	13423	13426
	0.40	-60 to 330/350°C		13481	
	0.50	-60 to 330/350°C	13435	13438	13441
	1.00	-60 to 330/350°C	13450	13453	13456
0.32mm	0.25	-60 to 330/350°C	13421	13424	13427
	0.50	-60 to 330/350°C	13436	13439	13442
	1.00	-60 to 330/350°C	13451	13454	13457
0.53mm	0.25	-60 to 330/350°C	13422	13425	
	0.50	-60 to 330/350°C	13437	13440	
	1.00	-60 to 330/350°C	13452	13455	
	1.50	-60 to 330/350°C	13467	13470	

ID	df (µm)	temp. limits	12-Meter	20-Meter	25-Meter	50-Meter
0.18mm	0.18	-60 to 330/350°C		13402		
	0.30	-60 to 330/350°C		13409		
	0.36	-60 to 330/350°C		13411		
0.20mm	0.33	-60 to 330/350°C	13497		13498	13499

Rxi®-5ms Structuresimilar **phases**

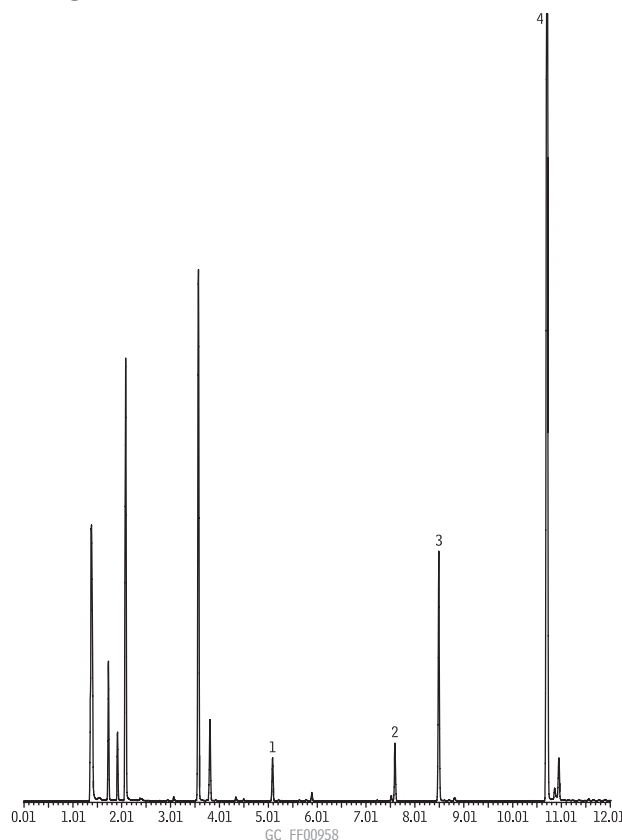
DB-5, HP-5, HP-5ms, Ultra-2, SPB-5, Equity-5, CP-Sil 8

free literature

Rxi®-5ms ColumnsDownload your free copy from www.restek.com.

Flyer

lit. cat.# 580046A

Fresh garlic on an Rxi®-5ms column.

1. allyl methylsulfide
2. 3,3'-thiobis-1-propene
3. allyl mercaptan
4. diallyl disulphide

Column: Rxi®-5ms, 30m, 0.25mm ID, 1.0µm (cat.# 13453)
with a 5m, 0.32mm ID IP deactivated guard column (cat.# 10044)

Sample: fresh garlic
Inj.: split (10:1)
Inj. temp.: 220°C
Flow rate: 1.5mL/min.
Oven temp.: 35°C (hold 1 min.) to 220°C @ 15°C/min. to 300°C @ 45°C/min.
Det: MS
Scan range: 35-350amu
Ionization: EI
Mode: scan

Headspace Conditions

Instrument: PerkinElmer TurboMatrix 40 Trap Headspace Sampler
Column pressure: 15psi (103kPa)
Inj. pressure: 30psi (207kPa)
Thermostat time: 15 min.
Vial pressurize time: 1 min.
Withdraw time: 0.2 min.
Injection time: 0.02 min.
Oven temp.: 80°C
Needle temp.: 90°C
Transfer temp.: 110°C