

Rtx®-Wax Columns (fused silica)

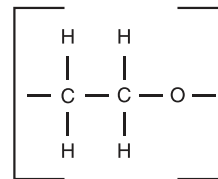
(polar phase; Crossbond® polyethylene glycol)

- Best polyethylene glycol (PEG) phase for alkenols, glycols, and aldehydes.
- Temperature range: 20 °C to 250 °C.
- Equivalent to USP G14, G15, G16, G20, G39 phases.

Rtx®-Wax columns are the most inert and efficient PEG columns currently available. The extended operating temperature range allows analysis of compounds having a wide volatility range and ensures low bleed at temperatures as high as 250 °C. Selectivity is comparable to other Carbowax® columns for compounds of intermediate to high polarity.

ID	df	temp. limits*	15-Meter cat.#	30-Meter cat.#	60-Meter cat.#
0.25 mm	0.25 µm	20 to 250 °C	12420	12423	12426
	0.50 µm	20 to 250 °C	12435	12438	12441
0.32 mm	0.25 µm	20 to 250 °C		12424	12427
	0.50 µm	20 to 250 °C	12436	12439	12442
	1.00 µm	20 to 240/250 °C	12451	12454	12457
0.53 mm	0.25 µm	20 to 250 °C		12425	
	0.50 µm	20 to 250 °C		12440	12443
	1.00 µm	20 to 240/250 °C	12452	12455	12458

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

Rtx®-Wax Structure**similar phases**

DB-Wax, CP-Wax 52 CB, ZB-Wax

Cleaning Solvents on Rtx®-Wax**Peaks**

1. Methanol
2. Isopropanol
3. Ethanol
4. *n*-Propanol
5. Isobutanol
6. *n*-Butanol
7. Methyl Cellosolve®
8. Limonene
9. Cellosolve®
10. Butyl Cellosolve®
11. Dipropylene glycol monomethyl ether (DPGMME)
12. Diethylene glycol ethyl ether (DEGEE)
13. Ethylene glycol
14. Tripropylene glycol monomethyl ether (TPGMME)
15. Phenyl Cellosolve®

Column Rtx®-Wax, 30 m, 0.32 mm ID, 0.25 µm (cat.# 12424)
Sample 1% each solvent in methanol
Injection
 Inj. Vol.: 1 µL split (split ratio 100:1)
 Liner: Splitless (4 mm ID) (cat.# 20814)
 Inj. Temp.: 250 °C
Oven
 Oven Temp.: 35 °C (hold 4 min) to 85 °C at 3 °C/min to 200 °C at 15 °C/min (hold 2 min)
Carrier Gas H₂, constant flow
Flow Rate: 3 mL/min
Detector FID @ 250 °C

