

Rtx[®]-50 Columns (fused silica)(midpolarity phase; Crossbond[®] phenyl methyl polysiloxane)

- General-purpose columns for pesticides, herbicides, rosin acids, phthalate esters, sterols.
- Temperature range: 40 °C to 320 °C.
- Equivalent to USP G3 phase.

The high thermal stability of Rtx[®]-50 columns makes dual-column analysis possible with common phases such as Rtx[®]-1 or Rtx[®]-5MS.

ID	df	temp. limits	15-Meter cat.#	30-Meter cat.#	60-Meter cat.#
0.25 mm	0.25 μm	40 to 300/320 °C	10520	10523	10526
	0.50 μm	40 to 290/310 °C	10535	10538	10541
	1.00 μm	40 to 280/300 °C	10550	10553	
0.32 mm	0.25 μm	40 to 300/320 °C	10521	10524	10527
	0.50 μm	40 to 290/310 °C	10536	10539	10542
	1.00 μm	40 to 280/300 °C	10551	10554	10557
0.53 mm	0.25 μm	40 to 280/300 °C	10522		
	0.50 μm	40 to 270/290 °C	10537	10540	10543
	0.83 μm	40 to 270/290 °C		10569	
	1.00 μm	40 to 260/280 °C	10552	10555	10558
	1.50 μm	40 to 250/270 °C	10567	10570	

ID	df	temp. limits	10-Meter cat.#	20-Meter cat.#
0.18 mm	0.20 μm	40 to 310/330 °C	40501	40502
	0.40 μm	40 to 300/320 °C	40510	40511

Rtx[®]-65 Columns (fused silica)(mid- to high-polarity phase; Crossbond[®] diphenyl dimethyl polysiloxane)

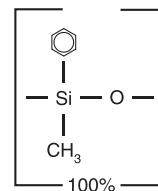
- General-purpose columns for phenols, fatty acids, triglycerides.
- Temperature range: 50 °C to 300 °C.

The Rtx[®]-65 phase contains the highest phenyl content of any bonded stationary phase available to improve separation of aromatic compounds through increased phase-analyte interaction. A unique polarity makes these columns ideal for a variety of analyses, from phenols to FAMES. As a confirmation column for EPA Method 604 phenols, an Rtx[®]-65 column produces a different elution order compared to the primary Rtx[®]-5 column. Rtx[®]-65 columns elute FAMES according to equivalent chain length, similar to bonded Carbowax[®] columns, but the Rtx[®]-65 phase does not suffer the thermal stability limitations of other polar stationary phases.

ID	df	temp. limits	30-Meter cat.#
0.25 mm	0.25 μm	50 to 300 °C	17023
	0.50 μm	50 to 280/300 °C	17038
	1.00 μm	50 to 260/280 °C	17053
0.32 mm	0.25 μm	50 to 300 °C	17024
	0.50 μm	50 to 280/300 °C	17039
	1.00 μm	50 to 260/280 °C	17054
0.53 mm	1.00 μm	50 to 250/270 °C	17055

also available**Rtx[®]-65TG Columns**

Tested specifically for triglycerides.

See **page 89**.**Rtx[®]-50 Structure**

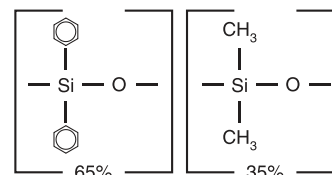
Similar to: (50%-phenyl)-methylpolysiloxane

similar phases

HP-50+, CP-Sil 24 CB, SPB-50, AT-50, 007-17

also available**Metal MXT[®] Columns**

Rugged, flexible, Siltek[®]-treated stainless steel tubing; inertness comparable to fused silica tubing.

MXT[®]-50 columnspage 109**Rtx[®]-65 Structure**

Similar to: (65%-phenyl)-methylpolysiloxane

similar phases

007-65HT

crossbond[®] technology

Reduces bleed, prolongs column lifetime, and allows rejuvenation through solvent rinsing.