

Rtx[®]-50 (midpolarity phase; Crossbond[®] 100% methylphenyl polysiloxane)

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

The high thermal stability of Rtx[®]-50 columns makes possible dual-column analysis with common phases such as Rtx[®]-1ms or Rtx[®]-5ms. Between analyses, high temperatures can be used to drive less volatile contaminants off of the column.

Rtx[®]-50 Columns (fused silica)(Crossbond[®] 100% methylphenyl polysiloxane)

ID	df (μm)	temp. limits*	15-Meter	30-Meter	60-Meter
0.25mm	0.25	40 to 300/320°C	10520	10523	10526
	0.50	40 to 290/310°C	10535	10538	10541
	1.00	40 to 280/300°C	10550	10553	10556
0.32mm	0.25	40 to 300/320°C	10521	10524	10527
	0.50	40 to 290/310°C	10536	10539	10542
	1.00	40 to 280/300°C	10551	10554	10557
0.53mm	0.25	40 to 280/300°C	10522		
	0.50	40 to 270/290°C	10537	10540	10543
	0.83	40 to 270/290°C		10569	
	1.00	40 to 260/280°C	10552	10555	10558
	1.50	40 to 250/270°C	10567	10570	10573

ID	df (μm)	temp. limits	10-Meter	20-Meter	40-Meter
0.18mm	0.20	40 to 310/330°C	40501	40502	40503
	0.40	40 to 300/320°C	40510	40511	40512

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

Rtx[®]-65 (mid to high polarity phase; Crossbond[®] 65% diphenyl/35% dimethyl polysiloxane)

- General purpose columns for phenols, fatty acids.
- Temperature range: 50°C to 300°C.
- Equivalent to USP G17 phase.

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.

Rtx[®]-65 Columns (fused silica)(Crossbond[®] 65% diphenyl/35% dimethyl polysiloxane)

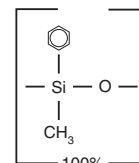
ID	df (μm)	temp. limits	15-Meter	30-Meter
0.25mm	0.25	50 to 300°C	17020	17023
	0.50	50 to 280/300°C	17035	17038
	1.00	50 to 260/280°C	17050	17053
0.32mm	0.25	50 to 300°C	17021	17024
	0.50	50 to 280/300°C	17036	17039
	1.00	50 to 260°C	17051	17054
0.53mm	0.25	50 to 290/300°C	17022	17025
	0.50	50 to 270/290°C	17037	17040
	1.00	50 to 250/270°C	17052	17055

also available

Rtx[®]-65TG Columns
See page 65.

crossbond[®] technology

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

Rtx[®]-50 Structure

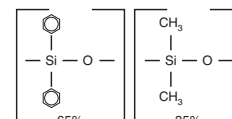
similar phases

HP-50, SPB-50, SP-2250

also available

MXT[®] Columns

Rugged, flexible, Siltek[®] treated stainless steel tubing; inertness comparable to fused silica tubing. See page 104 for our MXT[®]-50 columns.

Rtx[®]-65 Structure

similar phases

TAP-CB, 400-65HT, 007-65HT

also available

MXT[®] Columns

Rugged, flexible, Siltek[®] treated stainless steel tubing; inertness comparable to fused silica tubing. See page 104 for our MXT[®]-65 columns.