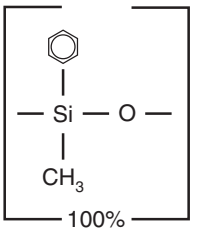
**Rtx®-50 Structure**




## similar **phases**

HP-50, SPB-50, SP-2250

## also **available**

**Metal MXT® Columns**
Rugged, flexible, Siltek® treated stainless steel tubing; inertness comparable to fused silica tubing. See **page 117** for our MXT®-50 columns.

### Rtx®-50 Columns (fused silica)

(midpolarity phase; Crossbond® 50% phenyl/50% methyl polysiloxane)

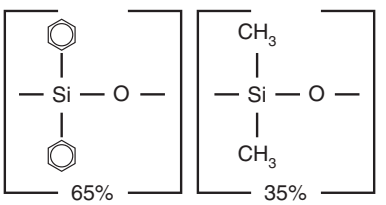
- General purpose columns for pesticides, herbicides, rosin acids, phthalate esters, triglycerides, sterols.
- Temperature range: 40 °C to 320 °C.
- Equivalent to USP G3 phase.

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.

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

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

**Rtx®-65 Structure**




## similar **phases**

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

## also **available**

**Metal MXT® Columns**
Rugged, flexible, Siltek® treated stainless steel tubing; inertness comparable to fused silica tubing. See **page 117** for our MXT®-65 columns.

### Rtx®-65 Columns (fused silica)

(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.

| ID | df | temp. limits | 30-Meter |
|---|---|---|---|
| 0.25mm | 0.25µm | 50 to 300°C | 17023 |
| | 0.50µm | 50 to 280/300°C | 17038 |
| | 1.00µm | 50 to 260/280°C | 17053 |
| 0.32mm | 0.25µm | 50 to 300°C | 17024 |
| | 0.50µm | 50 to 280/300°C | 17039 |
| | 1.00µm | 50 to 260/280°C | 17054 |
| 0.53mm | 0.25µm | 50 to 290/300°C | 17025 |
| | 0.50µm | 50 to 270/290°C | 17040 |
| | 1.00µm | 50 to 250/270°C | 17055 |

## also **available**

**Rtx®-65TG Columns**
Tested specifically for triglycerides.
See **page 72.**

## crossbond® **technology**

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