



advanced
 technology

Details on pages 106-107.



For more chromatograms, see pages 652, 654 and 701-703, or use our chromatogram search tool at www.restek.com/chromatograms

least polar



most polar

Porous Polymers: Rt[®]-Q-BOND, Rt[®]-QS-BOND, Rt[®]-S-BOND, Rt[®]-U-BOND

Restek chemists have developed a new process for the manufacturing of porous polymer PLOT columns. The process incorporates the particles to the walls of the tubing, so there is virtually no particle generation. Because of the particle adhering to the walls of the tubing, there is reproducible performance from column to column, including selectivity and flow.

Rt[®]-Q-BOND Columns (fused silica PLOT)

100% divinylbenzene

- Nonpolar PLOT column incorporating 100% divinyl benzene.
- Excellent for analysis of C1 to C3 isomers and alkanes up to C12.
- High retention for CO₂ simplifies gas analysis; CO₂ and methane separated from O₂/N₂/CO (Note: O₂/N₂/CO not separated at room temperature).
- Use for analysis of oxygenated compounds and solvents.
- Maximum temperature of 300 °C.

ID	df	temp. limits	15-Meter	30-Meter
0.25mm	8µm	to 280/300°C	19764	19765
0.32mm	10µm	to 280/300°C	19743	19744
0.53mm	20µm	to 280/300°C	19741	19742

Rt[®]-QS-BOND Columns (fused silica PLOT)

porous divinyl benzene homopolymer

- Intermediate polarity PLOT column incorporating low 4-vinyl pyridine.
- Separates ethane, ethylene and acetylene to baseline.

ID	df	temp. limits	15-Meter	30-Meter
0.25mm	8µm	to 250°C	19767	19768
0.32mm	10µm	to 250°C	19739	19740
0.53mm	20µm	to 250°C	19737	19738

Rt[®]-S-BOND Columns (fused silica PLOT)

divinylbenzene 4-vinylpyridine

- Midpolarity PLOT column, incorporating high 4-vinyl pyridine.
- Use for the analysis of nonpolar and polar compounds.

ID	df	temp. limits	15-Meter	30-Meter
0.25mm	8µm	to 250°C	19769	19770
0.32mm	10µm	to 250°C	19747	19748
0.53mm	20µm	to 250°C	19745	19746

Rt[®]-U-BOND Columns (fused silica PLOT)

divinylbenzene ethylene glycol/dimethylacrylate

- Polar PLOT column, incorporating divinylbenzene ethylene glycol/dimethylacrylate.
- Use for the analysis of polar and nonpolar compounds.

ID	df	temp. limits	15-Meter	30-Meter
0.25mm	8µm	to 190°C	19771	19772
0.32mm	10µm	to 190°C	19751	19752
0.53mm	20µm	to 190°C	19749	19750

Advantages of Metal MXT[®] PLOT columns include:

- Can be made in small coil diameters—perfect for tight spaces.
- Will not spontaneously break, making them ideal for rugged environments.
- Designed for robust performance in process GCs and field instruments.
- Available in 3.5" coil diameter or 7" diameter 11-pin cage.

MXT[®]-Q-BOND Columns (Siltek[®]-treated stainless steel PLOT)

ID	df	temp. limits	15-Meter	3.5" coil	7" diameter 11-pin cage
				30-Meter	30-Meter
0.25mm	8µm	to 300/320°C	79718		
0.53mm	20µm	to 300/320°C		79716-273	79716

MXT[®]-S-BOND Columns (Siltek[®]-treated stainless steel PLOT)

ID	df	temp. limits	3.5" coil	7" diameter 11-pin cage
			30-Meter	30-Meter
0.53mm	20µm	to 250°C	79712-273	79712