

Next Generation GC PLOT Columns

- New bonding process minimizes particle release, reducing column blockage and protecting instrument parts.
- More consistent flow means stable retention times in Deans and related flow switching techniques.
- Outstanding peak symmetry improves impurity analysis for gases, solvents, and hydrocarbons.

Quick Reference Chart

PLOT Column	Application	Page
Rt-Alumina BOND/ MXT-Alumina BOND (Na ₂ SO ₄ deactivation)	C1–C5 hydrocarbons. Purity analysis of ethylene, propylene, butenes, butadiene	108
Rt-Alumina BOND (KCl deactivation)	C1-C10 hydrocarbons, C1-C5 isomers. Purity analysis of ethylene, propylene, butene, butadiene.	108
Rt-Alumina BOND (CFC deactivation)	Multi-halogenated alkanes, C1-C-5 range. CFCs (chlorofluorocarbons)	108
Rt-Msieve 5A/ MXT-Msieve 5A	Permanent gas analysis (polarity between Q-BOND and S-BOND). He, Ne, Ar, O ₂ , N ₂ , Xe, Rn, SF ₆ , and CH ₄ , C ₂ H ₂ , CO	109
Rt-Q-BOND/ MXT-Q-BOND	Nonpolar porous polymer. High retention for solvents, alcohols, polar volatiles, CO ₂ , sulfur, and ppm water in solvents	110
Rt-QS-BOND	Intermediate polarity porous polymer. Neutral solvents, ketones, esters, hydrocarbons, and baseline separation of ethane, ethene, acetylene	110
Rt-S-BOND/ MXT-S-BOND	Intermediate polarity porous polymer. Light gases in ethylene and propylene, ketones, esters, hydrocarbons	110
Rt-U-BOND	Polar porous polymer. More retention for polar compounds	110



PLOT Column Phase Cross-Reference: Similar Selectivity

Restek	Porous Layer	Agilent/J&W	Supelco	Alltech	Varian/Chrompack	Quadrex
Rt-Alumina BOND/Na ₂ SO ₄ MXT-Alumina BOND	Aluminum oxide	GS-Alumina	Alumina-Sulfate	AT-Alumina	CP-Al ₂ O ₃ /NA ₂ SO ₄	—
Rt-Alumina BOND/KCl	Aluminum oxide	GC-Alumina KCl HP PLOT Al ₂ O ₃	Alumina-Chloride	—	CP-Al ₂ O ₃ /KCl	—
Rt-Alumina BOND/CFC			unique product			
Rt-Msieve 5A MXT-Msieve 5A	Molecular sieve 5A	HP PLOT Molsieve	Molsieve 5A PLOT	AT-Molsieve	CP-Molsieve 5A	PLT-5A
Rt-Q-BOND MXT-Q-BOND	DVB porous polymer	HP PLOT Q	Supel-Q-PLOT	AT-Q	CP-PoraPlot Q, PoraBond Q	—
Rt-QS-BOND	Intermediate polarity porous polymer	GS-Q	—	—	—	—
Rt-S-BOND MXT-S-BOND	DVB vinylpyridine polymer	—	—	—	CP-PoraPlot S	—
Rt-U-BOND	DVB ethyleneglycol- dimethylacrylate polymer	HP-PLOT U	—	—	CP-PoraPlot U, CP-PoraBond U	—