Specialty Bonded Stationary Phases



Barry Burger Innovations Chemist 15+ years of service!

- Low bleed levels.
- Higher sensitivities.
- · Longer column lifetimes.

Short conditioning times.

· Unsurpassed inertness for active compounds.

Bonded Packed Column Stationary Phases

Bonded phases are used in capillary columns because they provide a dramatic increase in column quality. To truly bridge the gap between traditional packed columns and capillary columns, it was necessary to develop bonded liquid phases for packed columns. Packed column chromatographers can expect shorter conditioning times, lower bleed, and longer column lifetimes by using Restek bonded phase packed columns.

Bonded phases also last much longer than nonbonded phases. Bonded phases are more resistant to oxidation than nonbonded phases because of the stronger intermolecular forces produced by cross-linking. Because the material is thoroughly cross-linked, the phase will not sag, as often happens with nonbonded phases. Figure 1 shows a comparison of a bonded and a nonbonded methyl silicone column after 170 temperature cycles. The results show the impressive durability of bonded phases.

Restek's packed columns deliver the

- 1. Bonded stationary phases mean short conditioning times, low bleed, and unsurpassed column lifetimes.
- 2. SilcoSmooth™ tubing provides the inertness of glass and the durability of stainless steel.
- 3. Silcoport™ diatomaceous earth provides unsurpassed inertness for trace analysis.

Equivalent Liquid Phases

	BP-1, CC-1, CP-Sil 5CB, DB-1, DC-200, GE-SF-96, HP-1, HP-101, OV-1, OV-101,
Rtx®-1	RSK-150, RH-1, SE-30, SP-2100, SPB-1, UCC W-98
Rtx®-5	BP-5, CB-5, CC-5, CP-Sil 8CB, DB-5, HP-5, OV-73, SE-52, SE-54, SPB-5, Ultra-5
Stabilwax®	BP-20, CP-Wax, CW-20, DB-Wax, HP-Innowax, PE-Wax, Supelcowax-10





