

## Deactivations

Liners need to provide highly inert pathways to guard against sample adsorption (reversible or irreversible) and sample degradation. Deactivations can help accomplish this and Restek offers several deactivation choices.

### Intermediate Polarity (IP) Deactivation

- Phenylmethyl-deactivated surface for better recovery of polar and nonpolar compounds.
- Compatible with most common solvents.
- Our standard deactivation—every clear Restek liner is IP deactivated unless otherwise requested.

### Siltek®-Deactivation

- Minimizes breakdown.
- Low bleed.
- Thermally stable.
- “Clean and green”—manufactured without the use of harmful organic solvents.

The patented Siltek® deactivation process for liners produces a highly inert glass surface that features high temperature stability, extreme durability, and low bleed. Try Siltek® liners, guard columns, and connectors for better recovery of sample analytes.

**For Siltek®-deactivated inlet liners, add the corresponding suffix number to the liner catalog number.**

qty.	Siltek Liner		Siltek Liner w/Wool		Siltek Liner w/CarboFrit	
each	-214.1	\$5 addl. cost	-213.1	addl. cost	-216.1	addl. cost
5-pk.	-214.5	\$20 addl. cost	-213.5	addl. cost	-216.5	addl. cost
25-pk.	-214.25	\$90 addl. cost	-213.25	addl. cost	-216.25	addl. cost

### Base Deactivation

- Excellent inertness for basic compounds.
- Recommended for use with Rtx®-5 Amine, Rtx®-35 Amine, and Stabilwax®-DB columns.

**For base-deactivated inlet liners, add the corresponding suffix number to the liner catalog number.**


qty.	Base-Deactivated Liner		Base-Deactivated Liner w/ Base-Deactivated Wool		Base Deactivated Liner w/CarboFrit	
each	-210.1	\$14 addl. cost	-211.1	addl. cost	-229.1	addl. cost
5-pk.	-210.5	\$45 addl. cost	-211.5	addl. cost	-229.5	addl. cost
25-pk.	-210.25	\$145 addl. cost	-211.25	addl. cost	-229.25	addl. cost

## Don't Forget Routine Maintenance

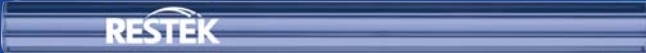
Inlet liners are the key to good injection port maintenance; changing them regularly helps prevent problems such as:

- Sample degradation resulting in poor response.
- Sample adsorption resulting in poor peak shape (tailing).
- Sample discrimination.
- Irreproducibility.
- Extraneous peaks from contamination or cored septum particles.

Finally, be sure to condition your liners at 20 °C higher than the operating inlet temperature for a minimum of 10 minutes to prepare them for use. By following these basic tips, you can avoid inlet problems and improve chromatographic performance.



## Looking for the Best Solution?



New Sky™ inlet liners, featuring a state-of-the-art deactivation, give you the inertness you need for accurate, reproducible trace level results.

**See pages 206-211 for details.**