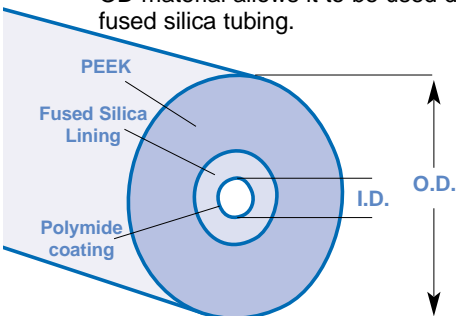


SGE Fused Silica Lined PEEK™ Tubing

PEEKsil™ is polymer-sheathed fused silica tubing with an effective outside diameter of 1/32", 1/16" and now 0.36mm. The sheathing polymer is polyether ether ketone (PEEK™) that is mechanically strong and has ideal characteristics for sealing with conventional metal or polymer ferule systems. PEEKsil may be used as a direct replacement for conventional stainless steel as well as a replacement for PEEK tubing used in liquid chromatography systems. The new 0.36mm OD material allows it to be used directly in place of 0.36mm OD fused silica tubing.



Advantage of PEEKsil™

Color Coded PEEKsil Tubing	
Orange	25µm
Natural	50µm
Black	75µm
Red	100µm
Purple	150µm
Yellow	175µm
Blue	200µm
Grey	300µm
Bone White	530µm

- Robust Tubing** - The PEEK polymer exterior coating and the fused silica combination makes PEEKsil very robust. PEEKsil is therefore capable of withstanding high pressures, making it ideal for capillary LC and LC/MS applications. All PEEKsil tubing is pressure rated to 10,000psi.
- Smooth Wall Surface** - The fused silica internal wall of PEEKsil provides an exceptionally smooth surface, free of imperfections, which ensures excellent flow characteristics. Stainless steel, in contrast, has a very rough and pitted inner wall surface, which has several detrimental effects on the performance of a liquid chromatography system.
- Solvent Compatibility** - PEEKsil is compatible with most organic solvents. PEEKsil is resistant to strong acids and has an effective pH range of 0 - 10. PEEKsil is not compatible with hydrofluoric acid.
- Inertness** - Fused silica is renowned for its extremely low absorption characteristics and deactivated for critical chromatography applications.
- Precision of Inside Diameter** - The inside diameter of fused silica tubing can be produced far more precisely and with a greater range of sizes than is available with stainless steel.
- Zero Metal Contact in LC** - The sample and mobile phase do not come into contact with metal in PEEKsil tubing.
- Ease of Connection** - PEEKsil is inherently straight, but is very flexible, which makes connection between columns, detectors and injectors easier than with more rigid stainless steel tubing.
- Applications of PEEKsil** - PEEKsil can be used in all applications where solvents must be pumped under high or low pressures with little flow resistance or possibility of contamination. Typical uses are in LC connecting lines, sample loops and sample lines.

Tubing Type	I.D. (mm)	Length (mm)	Pkg/Qty	Part No.	Price/pk
0.36mm	0.025	50	2	0624371	
	0.025	100	2	0624372	
	0.025	150	2	0624373	
	0.025	250	2	0624374	
	0.025	500	2	0624375	
	0.050	50	2	0624376	
	0.050	100	2	0624377	
	0.050	150	2	0624378	
	0.050	250	2	0624379	
	0.050	500	2	0624380	
1/32" O.D.	0.025	50	2	0624241	
	0.025	100	2	0624242	
	0.025	150	2	0624243	
	0.025	250	2	0624245	
	0.025	500	2	0624249	
	0.050	50	2	0624261	
	0.050	100	2	0624262	
	0.050	150	2	0624263	
	0.050	250	2	0624265	
	0.050	500	2	0624269	
	0.075	50	2	0624271	
	0.075	100	2	0624272	
	0.075	150	2	0624273	
	0.075	250	2	0624275	
	0.075	500	2	0624279	
	0.100	50	2	0624311	
	0.100	100	2	0624312	
	0.100	150	2	0624313	
	0.100	250	2	0624315	
	0.100	500	2	0624319	
	0.150	50	2	0624341	
	0.150	100	2	0624342	
	0.150	150	2	0624343	
	0.150	250	2	0624345	
0.150	500	2	0624349		
1/16"	0.025	50	5	0624225	
	0.025	100	5	0624226	
	0.025	150	5	0624227	
	0.025	250	5	0624228	
	0.025	500	2	0624229	
	0.050	50	5	0624251	
	0.050	100	5	0624252	
	0.050	150	5	0624254	
	0.050	250	5	0624253	
	0.050	500	2	0624250	
	0.075	50	5	0624290	
	0.075	100	5	0624291	
	0.075	150	5	0624292	
	0.075	250	5	0624293	
	0.075	500	2	0624294	
	0.100	50	5	0624301	
	0.100	100	5	0624302	
	0.100	150	5	0624304	
	0.100	250	5	0624303	
	0.100	500	2	0624300	
	0.150	50	5	0624230	
	0.150	100	5	0624231	
	0.150	150	5	0624232	
	0.150	250	5	0624233	
	0.150	500	2	0624234	
	0.175	50	5	0624351	
	0.175	100	5	0624352	
	0.175	150	5	0624354	
	0.175	250	5	0624353	
	0.175	500	2	0624350	
0.200	50	5	0624202		
0.200	100	5	0624203		
0.200	150	5	0624205		
0.200	250	5	0624204		
0.200	500	2	0624201		
0.300	50	5	0624214		
0.300	100	5	0624215		
0.300	150	5	0624216		
0.300	250	5	0624217		
0.300	500	2	0624218		
0.530	50	5	0624365		
0.530	100	5	0624366		
0.530	150	5	0624367		
0.530	200	5	0624368		
0.530	250	2	0624369		
0.530	500	2	0624370		