

Siltek®/Sulfinert® Deactivated Stainless Steel Tubing

Thank you for your purchase of our Siltek®/Sulfinert®-coated tubing. The Siltek®/Sulfinert® coating is the most inert substrate available for the transfer of low levels of polar and non-polar compounds, especially traces of organosulfur and mercury compounds.

Specifications:

Cat. #	Tubing OD (in/mm)	Tubing ID (in/mm)	Maximum Temperature (° C)*	Minimum Suggested Bend		Maximum Operating Pressure (psig/kPa)
				Radius (in/cm)	Diameter (in/cm)	
22903; 22914	3/8 / 9.53	0.277 / 7.04	450	6 / 15.2	12 / 30.5	4,800 / 33,094
22509; 22539; 22902	1/4 / 6.35	0.180 / 4.57	450	4 / 10.2	8 / 20.3	3,300 / 22,752
22507	1/4 / 6.35	0.210 / 5.33	450	4 / 10.2	8 / 20.3	2,200 / 15,168
22506; 22538	1/8 / 3.18	0.085 / 2.16	450	2 / 5.1	4 / 10.2	6,100 / 42,058
22508; 22901	1/8 / 3.18	0.055 / 1.40	450	2 / 5.1	4 / 10.2	10,900 / 75,152
22505	1/16 / 1.59	0.040 / 1.02	450	1 / 2.5	2 / 5.1	4,800 / 33,094
22504	1/16 / 1.59	0.030 / 0.76	450	1 / 2.5	2 / 5.1	8,100 / 55,847
22503	1/16 / 1.59	0.020 / 0.51	450	1 / 2.5	2 / 5.1	10,300 / 71,015
22502	1/16 / 1.59	0.010 / 0.25	450	1 / 2.5	2 / 5.1	14,000 / 96,526
22501	0.029 / 0.74	0.021 / 0.53	450	1 / 2.5	2 / 5.1	6,400 / 44,126
22500	0.022 / 0.56	0.011 / 0.28	450	1 / 2.5	2 / 5.1	11,250 / 77,566

*In an inert (oxygen-free) atmosphere.

Instructions for Use:

Handling: Handle the Siltek®/Sulfinert® tubing as you would any stainless steel tubing. Take precautions to avoid sharp bends or bends tighter than the minimum suggested bending radius. Any bend sharper than those listed may cause the tubing to stretch, potentially creating active sites as the coating layer density decreases. Additionally, we recommend passing a burst of nitrogen or clean compressed air through the tubing (at approximately 50 psi/340 kPa) to prevent damage from any particles released during the stress of bending. Once the tubing has been flushed and put into service, additional particle generation will not occur.

Cutting: Cut the tubing ends with a standard metal tubing cutter. Point the tubing end down when cutting or reaming to prevent metal filings from depositing inside the bore. Always flush tubing sections after cutting and end-cleaning to ensure the removal of metal or coating particles generated during cutting.

Solvent compatibility: Siltek®/Sulfinert® tubing is compatible with a wide variety of solvents including methylene chloride, pentane, acetone, methanol, and water. Avoid hydrofluoric acid and bases or strong hydrochloric solutions. These acids and bases will damage the Siltek®/Sulfinert® layer.

Contact Technical Service at 800-356-1688, 814-353-1300, ext. 4, or support@restek.com (or contact your Restek representative) if you have any questions about this product or any other Restek product.



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