



## FB50-SIL

## Food & Beverage Grade Silicone Tubing



### Specifications

- NSF 51 (Material Only)
- FDA Title 21 (Material Only)
- EU Directive 2011/65/EU (RoHS2)

### Features

- Operating Temperature is -73°C to 260°C
- Low Temperature Flexibility
- U.V. , Ozone, Gas & Moisture Resistant
- Lead Free
- Non-Toxic
- Self-Extinguishing

### Product Description

Grayline FB50-SIL is a very flexible, peroxide-cured tubing that offers excellent resistance to extreme temperatures. It is well suited for appliance and computer applications because it has good electrical properties and the ability to self-extinguish. Grayline FB50-SIL is also great for food contact applications because it is odorless, tasteless, inert and contains only FDA-sanctioned ingredients. Grayline FB50-SIL tubing contains no sulphur or other acid-producing chemicals, thereby eliminating the possibility of staining, corroding, or deteriorating materials it contacts. It is very resilient, stretchable, and resistant to compression set.

It may be low pressure steam sterilized in-line or autoclaved up to 250°F in a normal autoclaving cycle. However, it will relax and become gummy after long term exposure to high temperature or pressure and should be replaced. Fittings, clamps, sharp barbed fittings, and unlined metal clamps can tear into the silicone tubing wall and should be selected with caution.

*Standard Packaging: Coils*

*Standard Color: Natural Translucent*

*Custom Services: Hardness*

*Other Colors and Custom Sizes Available Upon Request*

PROPERTY	TYPICAL VALUE
Durometer Hardness, Shore A	50
Tensile Strength (psi)	1,000
Elongation (%)	375
Compression Set (22 Hours @ 177°F) (%)	35
Brittleness Temperature (°C)	-73
Tear Resistance (ppi minimum)	100

The values listed in this bulletin, to the best of our knowledge, are accurate. They are typical performance results and are not intended to be used as design data. We disclaim all liability in connection with the use of information contained herein or otherwise.



**GRAYLINE**  
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### Standard Sizes

ID (Inches)	Wall (Inches)	O.D. (Inches)	Standard Coil Length (FT)	Max. Working PSI at 70°F	Burst PSI at 70°F	Weight (LB/100FT)
0.063	0.031	0.125	100	10	30	0.50
0.063	0.063	0.188	100	20	60	1.34
0.094	0.031	0.156	100	10	30	0.66
0.094	0.063	0.219	100	15	45	1.58
0.125	0.031	0.188	100	10	30	0.88
0.125	0.063	0.250	100	20	60	2.00
0.125	0.094	0.313	100	25	75	3.32
0.125	0.125	0.375	100	-	-	4.92
0.156	0.063	0.281	100	20	60	2.14
0.156	0.094	0.344	100	20	60	3.64
0.188	0.031	0.250	100	5	15	1.22
0.188	0.063	0.313	100	20	60	2.64
0.188	0.094	0.375	100	20	60	4.12
0.188	0.125	0.438	100	15	45	6.14
0.250	0.031	0.313	100	10	30	1.50
0.250	0.063	0.375	100	5	15	3.34
0.250	0.094	0.438	100	20	60	5.12
0.250	0.125	0.500	100	15	45	7.50
0.313	0.063	0.438	100	10	30	3.66
0.313	0.094	0.500	100	10	30	6.30
0.375	0.063	0.500	100	10	30	4.32
0.375	0.094	0.563	100	10	30	7.14
0.375	0.125	0.625	100	10	30	10.16
0.375	0.188	0.750	100	15	45	16.72
0.438	0.094	0.625	100	10	30	7.70
0.500	0.063	0.625	100	5	15	5.84
0.500	0.094	0.688	100	5	15	9.50
0.500	0.125	0.750	100	10	30	13.12
0.500	0.188	0.875	100	10	30	15.00
0.625	0.063	0.750	100	-	-	6.86
0.625	0.094	0.813	100	5	15	11.34
0.625	0.125	0.875	100	5	15	13.38
0.625	0.188	1.000	100	10	30	22.86
0.750	0.125	1.000	50	5	15	17.64
0.750	0.188	1.125	50	10	30	26.56

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