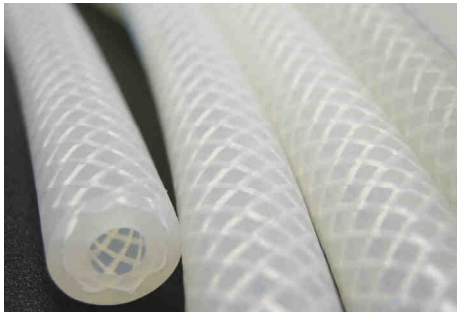




## MD70-BR-SIL *Medical Grade Braid Reinforced Silicone Tubing*



### Specifications

- FDA Title 21 (Material Only)
- USP Class VI (Material Only)
- EU Directive 2011/65/EU (RoHS2)

### Features

- Operating Temperature is -62°C to 176°C
- Low Temperature Flexibility
- Non-Toxic
- Platinum-cured hose also available

### Product Description

Grayline MD70-BR-SIL is a polyester braid reinforced, peroxide-cured flexible tubing that offers excellent resistance to increased pressure and temperatures. It can be low pressure steam sterilized in-line or autoclaved at up to 250°F in a normal autoclaving cycle. However, it will relax and become gummy after it has been exposed to multiple sterilizations and should be replaced. Long term exposure to high temperature or pressure will also have the same effect on the tubing.

Grayline MD70-BR-SIL is well suited for increased pressure food contact applications because it is odorless, tasteless, inert and is made from 100% FDA-sanctioned ingredients. Its smooth bore and resistance to allow material to adhere to the tube wall allows easy cleaning and system purging. This medical grade hose is manufactured under good manufactured procedures in a controlled environment. 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: Size, Cut Length, & Overbraid*

PROPERTY	TYPICAL VALUE
Core - Durometer Hardness, Shore A	70
Cover—Durometer Hardness, Shore A	60
Tensile Strength (psi)	1,000
Elongation (%)	350
Brittleness Temperature (°C)	-62

### Standard Sizes

ID (Inches)	OD (Inches)	Wall (Inches)	Standard Coil Length (FT)	Max. Working PSI @ 70°F	Burst PSI @ 70°F	Weight (LB/100FT)
0.188	0.447	0.130	25	216	648	7
0.250	0.520	0.135	25	208	624	9
0.313	0.592	0.140	25	183	549	11
0.375	0.655	0.140	25	166	498	13
0.500	0.800	0.150	25	141	423	17
0.750	1.100	0.175	25	91	273	28
1.000	1.380	0.190	25	75	225	36

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 Medical tubing products are sold upon condition that purchasers shall make their own assessment of suitability of specific tubing products for their particular application or use. Purchasers assume all risk and liability for the use of these products, including use in accordance with the seller's recommendations. Grayline tubing is not intended for use as an implant material.