



MD60-PR-SIL

Medical Grade Silicone Tubing



Product Description

Grayline MD60-PR-SIL is a very flexible, peroxide-cured medical grade tubing that offers excellent resistance to extreme temperatures. MD60-PR-SIL's surface properties resist sticking and will not support bacteria growth. The tubing is soft, pliable, and contains no plasticizers which could leach out, causing flow contamination or tube hardening. It is non-reactive to body tissues and fluids and can undergo multiple sterilizations. However, it will relax and become gummy after it has been exposed to repeated sterilizations and should be replaced. Long term exposure to high temperature or pressure will also have the same effect on the tubing. It is odorless, tasteless, inert and contains FDA-sanctioned ingredients. It is very resilient, stretchable, and resistant to compression set which makes it ideal for use on peristaltic pumps.

Grayline MD60-PR-SIL is manufactured under good manufacturing 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: Individual, non-sterile, heat-sealed poly bags. Sterilization required prior to use.

Standard Color: Natural Translucent

Custom Services: Color, Sizes, Hardness & Cut Length

Specifications

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

Features

- Operating Temperature is -73°C to 204°C
- Low Temperature Flexibility
- Lead Free
- Non-Toxic

| PROPERTY | TYPICAL VALUE |
|--|---------------|
| Durometer Hardness, Shore A (15 Seconds) | 60 |
| Tensile Strength (psi) | 1,200 |
| Elongation (%) | 425 |
| Tear Resistance, Die B (ppi) | 120 |
| Brittleness Temperature (°C) | -73 |
| Compression Set, 22 hrs. @ 350°F (%) | 35 |

Standard Sizes

| ID (Inches) | O.D. (Inches) | Wall (Inches) | Standard Coil Length (FT) | Suggested Sizes for Pumps |
|-------------|---------------|---------------|---------------------------|---------------------------|
| 0.030 | 0.065 | 0.018 | 50 | |
| 0.031 | 0.156 | 0.063 | 50 | |
| 0.040 | 0.085 | 0.023 | 50 | Yes |
| 0.063 | 0.125 | 0.031 | 50 | |
| 0.063 | 0.188 | 0.063 | 50 | |
| 0.078 | 0.125 | 0.024 | 50 | Yes |
| 0.104 | 0.192 | 0.044 | 50 | |
| 0.125 | 0.250 | 0.063 | 50 | |
| 0.188 | 0.313 | 0.063 | 50 | |
| 0.188 | 0.375 | 0.094 | 50 | Yes |
| 0.250 | 0.375 | 0.063 | 50 | Yes |
| 0.250 | 0.438 | 0.094 | 25 | Yes |
| 0.250 | 0.500 | 0.125 | 25 | Yes |
| 0.313 | 0.438 | 0.063 | 25 | |
| 0.313 | 0.500 | 0.094 | 25 | Yes |
| 0.375 | 0.500 | 0.063 | 25 | |
| 0.375 | 0.625 | 0.125 | 25 | Yes |
| 0.500 | 0.625 | 0.063 | 25 | |

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