

Precision Stainless Steel Microfilament Wire

This stainless steel microfilament is designed for precision applications. It offers high strength, durability, and corrosion resistance, wound on spools for easy handling.



ADDITIONAL IMAGES



Product Overview

High-Performance Microfilament Wire

This stainless steel microfilament wire offers exceptional strength, stability, and corrosion resistance for high-precision industrial applications. Engineered to be thinner than a human hair, the material is remarkably soft and flexible, making it ideal for the textile, aerospace, and medical sectors. It provides superior shielding, radiation protection, and anti-magnetic properties to meet the needs of advanced bio-chemical and petrochemical industries.

Material Specifications

Series Grades

- 200 series
- 300 series
- 400 series

Surface Finishes

Bright • Cloudy • Plain • Black

Available Materials

304, 304L, 316, 316L, 201, 410

Technical Standards

Compliance Standards

ASTM, EN, DIN, JIS

Physical Dimensions

Diameter Range

0.018 mm

Minimum Diameter

5 mm

Maximum Diameter

Diameter Tolerance Table

| Diameter Range (mm) | Tolerance (mm) |
|---------------------|----------------|
| 0.018-0.049 | +0.002/-0.001 |
| 0.050-0.074 | ±0.002 |
| 0.075-0.089 | ±0.002 |
| 0.090-0.109 | +0.003/-0.002 |
| 0.110-0.169 | ±0.003 |
| 0.170-0.199 | ±0.004 |
| 0.200-0.299 | ±0.005 |
| 0.300-0.499 | ±0.006 |