



**REGULAR MONOFILAMENT
STAINLESS STEEL FIBER GRADES**

**This standard applies to stainless steel monofilament fiber (hereinafter referred to as fiber), but does not apply to fibers for spring, cold forging, or welding purposes.

GRADE	METHOD	MERCHANDISE CODE
0Cr18Ni9	Cold Drawing	304
00Cr1Ni10	Cold Drawing	304L
0Cr17Ni12Mo2	Cold Drawing	316
00Cr17Ni14Mo2	Cold Drawing	316L

Diameter (mm)	Tolerance (mm)	Ovality (mm)
0.018 - 0.030	+0.0010 - 0.0015	< 0.0005
0.033 - 0.045	±0.0020	< 0.0001
0.047 - 0.050	±0.0025	< 0.0002

Diameter (mm)	Range (mm)
0.018	0.017 - 0.018
0.02	0.019 - 0.021
0.025	0.023 - 0.025
0.03	0.028 - 0.031
0.035	0.033 - 0.036
0.04	0.038 - 0.041
0.05	0.048 - 0.052

MECHANICAL PROPERTIES (FINISHED PRODUCT)

Diameter (mm)	Elongation (%)	Tensile Strength (kg/mm ²)
0.018 - 0.020	> 22	75-86
0.025 - 0.030	> 23	74-85
0.030 - 0.050	> 24	73-83

WEIGHT/BOBBIN (FINISHED PRODUCT)

Diameter (mm)	Grade A (g)	Grade B (g)
0.018	>30	10 - 29
0.02	>50	10 - 49
0.025	>100	20 - 99
0.03	>120	30 - 119
0.035	>200	50 - 199
0.04	>300	50 - 299
0.045 - 0.050	>400	100 - 399