TECHNICAL DATA | 2026

Steel Fiber Technical Data Guide

A purchasing reference for dimensions, geometry, strength, dosage context and RFQ preparation.

Specialized steel fiber export supply from China

Key specification terms

Length

Overall fiber length affects anchorage, mixing behavior and compatibility with aggregate size.

Diameter

Wire diameter influences aspect ratio, fiber count per kilogram and mixing behavior.

Aspect ratio

Length divided by equivalent diameter. It describes slenderness but does not alone determine concrete performance.

Tensile strength

Fiber wire tensile strength must be considered with geometry, dosage and the required residual performance.

Geometry

Hooked, corrugated, straight and micro fibers develop different bonding and pull-out behavior.

Dosage

A project and mix-design decision validated through engineering requirements and performance tests.

Common supply ranges

Product	Length	Diameter	Tensile strength
Hooked End Steel Fiber	30-60 mm	0.50-1.00 mm	1,100-2,000 MPa
Corrugated Steel Fiber	25-60 mm	0.50-0.90 mm	800-1,300 MPa
Straight Steel Fiber	6-35 mm	0.20-0.80 mm	1,000-2,500 MPa
Glued Steel Fiber	30-60 mm	0.55-1.00 mm	1,100-1,800 MPa
Copper Coated Micro Steel Fiber	6-20 mm	0.15-0.30 mm	2,000-3,000 MPa

RFQ checklist

Fiber type and geometry; length and diameter; tensile strength; required standard and test method; concrete application; proposed dosage context; order quantity; packaging; destination port; inspection and documentation requirements.

Important notice

These ranges are for preliminary selection only. They are not a certificate, declaration of performance or project-specific recommendation. Confirm the final specification before purchase.