



Technical documents of UHPC steel fiber -SD1823

Product Model	SD1823
Aspect Ratio (L/D)	62
Length (mm)	13±1
Diameter (mm)	0.18–0.23±0.02
Shape	curved
Tensile Strength (MPa)	≥2850
Number of Fibers per kg	280000
Certification Standard	EN 14889-1, ASTM A820/A820M
Packaging Specification	20kg/bag/case; 1000kg/pallet
Application Scenarios	RPC cover plate, UHPC prefabricated building exterior wall panels/façade
Project Case	High-Speed Railway cover plate
Product Features	<ol style="list-style-type: none">1.Made with ultra-fine low-carbon steel wire coated with copper for excellent dispersion;2.Tensile strength ≥2850 MPa, significantly enhancing UHPC's crack resistance and ductility;3.Optimized long-to-diameter ratio for multiple construction methods (prefabricated, cast, or sprayed);4.Suitable for high-speed rail, highway bridges, prefabricated curtain walls, and ultra-high-performance structural components
Technical and Engineering Support	<ol style="list-style-type: none">1.Professional project specification formulation;2.Fiber type & dosage optimization;3.Concrete mix design improvement; performance test supervision;4.On-site construction guidance;5.Dosing equipment installation & debugging;6.One-stop technical support from planning to completion
Safety and Storage	<ol style="list-style-type: none">1.Wear head, eye protection and gloves during operation;2.Store in a dry and ventilated place;3.Avoid heavy stacking;4.Prevent moisture and corrosion