

# Raghukul Marketing & Engineering Services

Factory Address : Plot No. C-196, Industrial Area, Butibori, Nagpur - 441 122

## Technical Data Sheet for SS 310 Fibers

Stainless Steel Fibers reinforce monolithic refractories against thermal and mechanical shock by reducing cracking and spalling susceptibility. SS Fibers are widely used in Ceramic Processing, Primary Metal, Power, Cement, Lime and Petrochemical Industries.

**Description:** - SS Fiber non-magnetic & bright in Color

**Shape of Fiber:** - Corrugated

**Chemical Composition in %:** -

C	Si	Mn	P	S	Cr	Ni
0.08 max	1.50 max	2.0 max	0.045 max	0.03 max	24.0 – 26.0	19.0 – 22.0

**Mechanical Composition:** -

Melting Temperature	Service Temperature	Tensile Strength (MPa) min	Yield Strength 0.2% Proof (MPa) min	Elongation (% in 50mm) min
1400°C	1100°C	550	245	45

**Typical Dimension and Aspect Ratio:** -

Fiber Length	Typical Diameter	Typical Aspect Ratio	Typical No./Kg
25 mm	0.5 mm	50	25000 approx

NOTE: - 1. Aspect ratio is calculated as fiber length / diameter  
2. The dimensions of Fibers are as per customer's requirement.

These fibers are manufactured to the requirements of ASTM A820/A820M-06 Type III which specifies the following dimensional tolerances:

Length and Equivalent diameter: +/- 10%  
Aspect Ratio: +/- 15%