



FIBERCON INTERNATIONAL

100 South Third Street

Evans City, PA 16033

Tel: 724-538-5006 or 1-800-521-9908

Fax: 724-538-9118

Email: info@fiberconfiber.com

Website: www.fiberconfiber.com

MATERIAL DATA SHEET—310 MELT EXTRACT FIBERS

REVISION DATE: 11/04/07
PRODUCT TYPE: Stainless Steel Fibers
MANUFACTURING PROCESS: Melt-extracted Method
SHAPE: Straight

TYPICAL CHEMISTRY & PHYSICAL PROPERTIES:

(Metallurgy is typical—melt extract is not AISI steel)

% kg	C	Mn	Si	P	S	Cr	Ni	Fe + trace elements
max	0.4	2.0	3.5	0.05	0.05	24—26	19—22	balance

Melting Range °F: 2550—2650

Critical Oxidation °F

Cyclic: 1900

Continuous: 2000—2100

Specific Gravity g/cm³: 7.87

Tensile strength MPa (min) @ 20 °C: 550

TYPICAL DIMENSIONS:

Length	3/4"	1"	1 3/8"
Typical Equiv. Ø	0.45	0.50	0.63
Typical Aspect Ratio (ℓ/Ø)	43	50	56
Typical Fiber Count/kg	37,000	26,000	12,000

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%

Product Information