



FIBERCON INTERNATIONAL

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**MATERIAL DATA SHEET—304 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	18—20	8—10.5	balance

Melting Range °F: 2550—2650

Critical Oxidation °F

Cyclic: 1500

Continuous: 1650

Specific Gravity g/cm<sup>3</sup>: 7.87

Tensile strength MPa (min) @ 20 °C: 470

**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