



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—406 ALFA-1 SLIT-SHEET FIBERS

REVISION DATE: 15/03/07
PRODUCT TYPE: Stainless Steel Fibers
MANUFACTURING PROCESS: Slit-Sheet Method
SHAPE: Straight & Deformed

TYPICAL CHEMISTRY & PHYSICAL PROPERTIES:

(Metallurgy is typical, conforming to AISI standards)

% kg	C	Mn	Si	Ti	Cr	Al	Fe
max	0.025	0.035	0.30	0.40	13	3.0	balance

Melting Range °F: 2650—2760

Critical Oxidation °F

Cyclic: 1800—1900

Continuous: 2050—2275

Specific Gravity g/cm³: 7.87

Tensile strength MPa (min) @ 20 °C: 524 (min) @ 20 °C

TYPICAL DIMENSIONS:

Length	1/2"	3/4"	1"	1 3/8"
Typical Equiv. Ø	0.5	0.50	0.5	0.84
Typical Aspect Ratio (ℓ/Ø)	24	38	50	42
Typical Fiber Count/kg	48,500	32,000	24,000	6,600

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