



FIBERCON INTERNATIONAL

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MATERIAL DATA SHEET—304 SLIT-SHEET FIBRES

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

TYPICAL CHEMISTRY & PHYSICAL PROPERTIES:

(Metallurgy is typical, conforming to AISI standards)

% kg	C	Mn	Si	P	S	Cr	Ni	Fe + trace elements
max	0.08	2.0	0.75	0.045	0.03	18—20	8—10,5	balance

Melting Range °C: 1400—1455

Critical Oxidation °C

Cyclic: 816

Continuous: 899

Specific Gravity g/cm³: 7.87

Tensile strength MPa (min) @ 20 °C: 515—640 (min) @ 20 °C

TYPICAL DIMENSIONS:

Length	13mm	19mm	25mm	35mm
Typical Equiv. Ø	0.5	0.50	0.5	0.84
Typical Aspect Ratio (ℓ/Ø)	24	38	50	42
Typical Fibre Count/kg	48,500	32,000	24,000	6,600

These Fibres 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