



FIBERCON INTERNATIONAL

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MATERIAL DATA SHEET—430 SLIT-SHEET FIBRES

REVISION DATE: 19/03/07
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 | Fe |
|------|------|------|------|------|------|-------|---------|
| max | 0.12 | 1.00 | 1.00 | 0.04 | 0.03 | 16—18 | balance |

Melting Range °C: 1482—1530

Critical Oxidation °C

Cyclic: 870

Continuous: 760—816

Specific Gravity g/cm³: 7.87

Tensile strength MPa (min) @ 20 °C: 483—545 (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