

Nuova TEMAS Srl
Str.per Lungavilla
ITALY 27054
Montebello della Battaglia

tel. +39 0383 805450
fax +39 0383 890333
e-mail: info@nuovatemas.it
Web: www.nuovatemas.it

Exhaust Systems Parts
Stainless Steel Wool
Fibres
Wire product



Technical Data Sheet “Aisi 314”

Chemical Composition: (maximum unless stated)

C	Si	Mn	P	S	Cr	Ni	others
0.25	1.5- 3.0	2.0	0.045	0.030	23- 26	19- 22	---

Melting Temperature:

1425-1510°C

Critical Oxidation Temperature

Cyclic Heating: 1100 °C

Continuous Service: 1200 °C

Tensile Strength

Ambient °C 515 MPa

At 870 °C 150 MPa

Modulus of Elasticity

95 GN.m² at 870°C

Coefficient of Thermal Expansion:

18.5 @10⁻⁶ at 870°C

Thermal Conductivity

20.9 W.mK⁻¹ at 540°C

Microtex Weight per Linear meter(+/-10%) @ 100mm wide – 45 g/m

@140mm wide – 70 g/m

@200mm wide – 90 g/m

Filament Cross Section

Equivalent Diameter %

< 85 microns 10

85 – 100 microns 75

100 – 120 microns 10

120 – 150 microns 5

Average Diameter(in microns)

90