

Technical Data Sheet

MICROTEX 304

A high-temperature resistant Acoustic Absorption and Filter material made from Fibretech's unique stainless steel filaments. Microtex 304 is used in packed Automotive exhaust silencers (mufflers), either independently or in conjunction with other sound absorption materials.

Chemical Composition: (maximum unless stated)

C	Si	Mn	P	S	Cr	Ni	others
0.25	3.5	2.0	0.040	0.030	18.0-20.0	8.0-10.0	-

Melting Temperature: 1400-1455°C

Critical Oxidation Temperature:

Cyclic Heating: 870 °C

Continuous Service: 1000 °C

Tensile Strength:

Ambient °C 500-600 MPa

Modulus of Elasticity: 124 GPa at 24°C

Coefficient of Thermal Expansion: 20.2 x 10⁻⁶ at 870°C

Thermal Conductivity: 21.5 Wm⁻¹K⁻¹ at 540°C

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

@ 140mm wide – 70 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

