

Technical Data Sheet

MICROTEX HT

A high-temperature resistant Acoustic Absorption and Filter material made from Fibretech's unique stainless steel filaments. Microtex HT 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	23.0-27.0	-	-

Melting Temperature: 1425-1510°C

Critical Oxidation Temperature:

Cyclic Heating: 1000 °C

Continuous Service: 1050 °C

Tensile Strength:

Ambient °C 700-800 MPa

At 870 °C 50-55 MPa

Modulus of Elasticity: 97 GPa at 870°C

Coefficient of Thermal Expansion: 13.1 @10⁻⁶ at 870°C

Thermal Conductivity: 24.8 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

