

Technical Data Sheet

MICROTEX 314

A higher-temperature corrosion resistant acoustic absorption and baffle material made from Fibretech's unique stainless steel filaments. Microtex 314 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	1.5-3.5	2.0	0.045	0.030	23.0-26.0	19.0-22.0	-

Melting Temperature: 1400-1455°C

Critical Oxidation Temperature:

Cyclic Heating: 1075 °C

Continuous Service: 1150 °C

Tensile Strength:

Ambient °C 515 MPa

At 870 °C 150 MPa

Modulus of Elasticity: 95 GPa at 870°C

Coefficient of Thermal Expansion: 18.5 @10⁻⁶ at 870°C

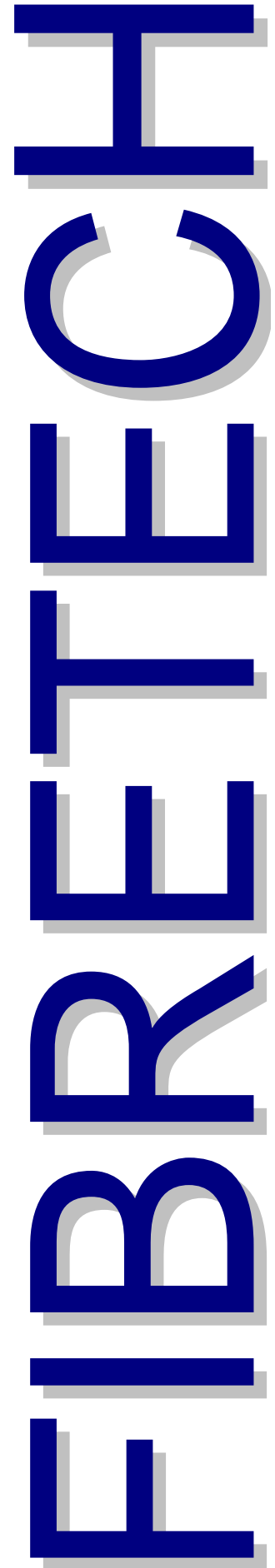
Thermal Conductivity: 20.9 Wm⁻¹K⁻¹ at 540°C

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



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