

A high-temperature resistant Acoustic Absorption and Filter material made from RibTec'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
0.50	3.5	2.0	0.040	0.030	23-27	-	-

Melting Temperature: 2597-2750 °F

Critical Oxidation Temperature:

Cyclic Heating: 1922 °F

Continuous Service: 2012 °F

Tensile Strength:

Ambient 68 °F 101,526 - 116,030 psi
 At 1600 °F 7,252 - 7977 psi

Modulus of Elasticity: 14,069 ksi at 1598 °F

Coefficient of Thermal Expansion: 7.28×10^{-6} /°F at 1600 °F

Thermal Conductivity: 14.3 BTU/hr/ft/°F at 1000 °F

Microtex Weight per Linear metre (+/-10%) @ 4" wide – 0.48 Oz/jt
 @ 5.5" wide – 0.75 Oz/jt



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Filament Cross Section

Equivalent Diameter	%
< 0.0033"	10
0.0033 - 0.0039"	75
0.0039 - 0.0047"	10
0.0047 - 0.0059"	5

Average Diameter (in microns): 90