

AES-Fibre Formulation for APC Filter Elements

TENMAT CS1150F products are manufactured from 100% exonerated Alkaline Earth Silicates (AES) fibres, with proprietary high temperature bonding agents.

CS1150F has been formulated to produce Candle Filters exhibiting excellent strength:weight ratios and toughness, even at extreme temperatures.



STANDARD DIMENSIONS

External Diameter (mm)	60	60	60
Internal Diameter (mm)	40	40	40
Length (mm)	1,000	1,250	1,500
Flange Diameter (mm)	80	80	80
Surface Area (m ²)	0.19	0.23	0.28
Weight (kg)	0.9	1.1	1.3

TENMAT Candle Filter Elements are classed as non-hazardous under EU regulations, and thus can be disposed of in non-hazardous landfill - unlike competitor products containing Refractory Ceramic Fibre (RCF).

PROPERTY	UNITS	TYPICAL VALUE
Density	kg / m ³	480
Pressure Drop (of Virgin Filter)	mm water at 28 mm/s face velocity	28
Loss on Ignition	% @ 700 °C	5.4
Flexural Modulus	GPa @ 350 °C GPa @ 500 °C GPa @ 700 °C	21.3 23.8 25.5
Crush Force	N @ ambient N @ 350 °C	153 66
Filtration Efficiency	%	> 99.99
Typical Air Permeability	[l / dm ² · min] @ 200 Pa	8
Filtration Capability	Particle size (micron)	< 1
Output Emissions	mg / m ³	< 1
Temperature Capability	°C	≤ 1000

The information contained in this data sheet is presented in good faith. They are typical test results tested generally in accordance with BS 2782 and ASTM test methods and should not be used for specifications. **TENMAT** does not warrant the conformity of its materials to the listed properties or their suitability for any particular purpose. For further information please contact our Technical Sales Department on +44 161 872 2181.