

AES-Fibre Formulation for APC Filter Elements

TENMAT CS 1255F products are manufactured from 100% exonerated Alkaline Earth Silicates (AES) fibres, with proprietary high temperature bonding agents.

CS 1255F has been formulated to produce Big Tube Filters exhibiting excellent strength:weight ratios and toughness, even at extreme temperatures.

STANDARD DIMENSIONS

External Diameter (mm)	150	150	150
Internal Diameter (mm)	110	110	110
Length (mm)	1,800	2,400	3,000
Flange Diameter (mm)	190	190	190
Surface Area (m ²)	0.8	1.1	1.4
Weight (kg)	6.4	8.6	10.7

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	472
Pressure Drop (of Virgin Filter)	mm water at 12.6 mm / sec face velocity	31
Loss on Ignition	% @ 70 °C	6.2
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, ISO 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.