SINAFELT (Thermal Insulation Felt)

Technical specification

	Product	120 F	120 BF® *	140 F	150 F	160 F
Application temperature	°C	1200	1150	1400	1500	1600
Density	kg/m³	280	220	250	170	170
Thermal conductivity (at a medium temperature W/mK) with a density of 96 kg/m³	400 °C 600 °C 800 °C 1000 °C	0.10 0.14 0.20 -	0.10 0.15 0.21 -	0.10 0.14 0.20 -	0.10 0.13 0.18 0.22	0.09 0.12 0.17 0.21
Shrinkage (after 24h) at 1100 °C	%	2.3	2.9	2.5	2.1	2.4
Loss on ignition	%	9.5	8.1	9.5	8.4	8.4
Standard dimensions (in mm) (1)	Länge Breiten Dicken org. Binder (%)	1000 500, 610, 1200 3 – 100 7.5	500, 610, 1200 3 – 100 7.5	500, 610, 1200 3 – 100 7.5	500 5 – 100 6.5	500 5 – 100 6.5
Colour		white	white	white	white	white

* The synthetic mineral fibres used for the production of these products have been classified as non - cancerogenic according to the EU Directive 97/69/EC.

High temperature thermal insulation felt made of ceramic and bio-soluble high temperature fibres using organic binding agents.

Application fields:
Power plant and other plant construction, industrial furnaces, ceramics industry.

(1) We are able to supply special formats and special thicknesses on request. We will be pleased to manufacture stampings, milled parts or cuttings according to your drawings.
(2) The classification temperature is not to be equated with the maximum application temperature, in particular when physical conditions such as tensile or pressure loads are involved. For applications as high-temperature insulation, lower temperatures must always be applied. In these cases, our Engineering department will offer assistance and support.
(3) Heat transmission calculations for this material can be requested from our Engineering department.

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11.2019