

# SINAFELT (Thermal Insulation Felt)

## Technical specification

	Product	120 F	120 BF <sup>®</sup> *	140 F	150 F	160 F
Application temperature	°C	1200	1150	1400	1500	1600
Density	kg/m <sup>3</sup>	280	220	250	170	170
Thermal conductivity (at a medium temperature W/mK) with a density of 96 kg/m <sup>3</sup>	400 °C	0.10	0.10	0.10	0.10	0.09
	600 °C	0.14	0.15	0.14	0.13	0.12
	800 °C	0.20	0.21	0.20	0.18	0.17
	1000 °C	-	-	-	0.22	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) <sup>(1)</sup>	Länge	1000				
	Breiten	500, 610, 1200	500, 610, 1200	500, 610, 1200	500	500
	Dicken	3 – 100	3 – 100	3 – 100	5 – 100	5 – 100
	org. Binder (%)	7.5	7.5	7.5	6.5	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.

**The information contained in this publication serves only for purposes of clarification, and is not intended to form the basis of contractual obligations.**

Further information and advice on specific details of the products described can be obtained in writing from Techno-Physik Eng. GmbH (Germany). The TechnoPhysik Group is consistently running product development programmes and reserves the right to modify product specifications at any time without notice. The customer/user is thus always obliged to ensure that the material form Techno-Physik Eng. GmbH is suitable for his specific purposes. The specified values are average figures determined from current production and are intended only for information. Warranty claims cannot be derived from these figures. We recommend to test the material for your application.

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