

# BOLITAN-PAPER / S-PAPER

## Technical specification

	Product	SFT 1100 <sup>®</sup> bio-soluble	SDS 1100 <sup>®</sup> bio-soluble	1250	1400
Application temperature	°C	1000	1000	1150	1350
Density	kg/m <sup>3</sup>	200 – 300	115 – 175	200 – 240	200 – 240
Thermal conductivity (at a medium temperature W/mK) at a density of 96 kg/m <sup>3</sup>	400 °C	0.06	0.05	-	-
	600 °C	0.09	0.08	0.08	0.08
	800 °C	0.14	0.13	0.11	0.11
Shrinkage (after 24h) at 1100 °C	%	< 4	< 4	< 4	< 4
Loss on ignition	%	< 12	< 12	< 12	< 12
Tensile strength (density 96 kg/m <sup>3</sup> )	kPa	> 350	> 350	> 350	> 350
Standard dimensions (in mm) <sup>(1)</sup>	Lengths	Dependent on thickness and width			
	Widths	500   610   1000   1220			
	Thicknesses	1   2   3   4   5			
	Org. binder (%)	0			
Colour		white	white	white	white

The synthetic mineral fibres used for manufacturing this product are classified as non-carcinogenic according to the EU Directive 97/69/EC.

**BOLITAN-PAPIER** made of ceramic fibres is manufactured by further processing on paper manufacturing machines. Small thermal mass, low thermal conductivity, vibration stability, good temperature cycling stability and excellent mechanical strength characterise this material.

### Application fields:

Moulding separator material, gating technology for casting, replacement for asbestos paper, decoration of aluminium goulots, heat protection.

- (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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