BOLITAN-PAPER / S-PAPER

Technical specification

	Product	SFT 1100® bio-soluble	SDS 1100® bio-soluble	1250	1400
Application temperature	°C	1000	1000	1150	1350
Density	kg/m³	200 – 300	115 – 175	200 – 240	200 – 240
Thermal conductivity (at a medium temperature W/mK) at a density of 96 kg/m³	400 °C 600 °C 800 °C	0.06 0.09 0.14	0.05 0.08 0.13	- 0.08 0.11	- 0.08 0.11
Shrinkage (after 24h) at 1100 °C	%	< 4	< 4	< 4	< 4
Loss on ignition	%	< 12	< 12	< 12	< 12
Tensile strength (density 96 kg/m³)	kPa	> 350	> 350	> 350	> 350
Standard dimensions (in mm) (1)	Lengths Widths Thicknesses Org. binder (%)	Dependent on thickness and width 500 | 610 | 1000 | 1220 1 | 2 | 3 | 4 | 5 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.

Techno-Physik Engineering GmbH
www.techno-physik.com

11.2019