

isoplan[®] 1000

Material profile:

- Insulation material on the basis of mineral, **biodegradable** fibres which stands out for its high temperature resistance and its low heat conductivity.

Typical applications:

- furnaces and boilers
- glass industry
- steel works, foundries
- sealing of exhaust pipes

Supply data:

- Sheet sizes in mm: 1000x1000
- Thickness in mm: 1.5 / 2.0 / 3.0 / 4.0 / 5.0 / 6.0 / 7.0 / 8.0 / 10.0
- Special sheet sizes upon request
- Other thicknesses upon request

General data	Binder:	organic			
	Colour:	white with green honeycomb brand			
	Temperature limit:	1000 °C			
	Tolerance in thickness:	± 10 %			
Physical properties (sample thicken. 5.0 mm)	Property	Standard	Unity	Value *	
	Density	DIN 28 090-2	[g/cm ³]	0.94	
	Tensile strength	DIN 52 910	longitudinal	[N/mm ²]	4
			transverse	[N/mm ²]	2
	Compressibility	ASTM F 36 K	[%]	≤ 25	
	Recovery	ASTM F 36 K	[%]	≥ 30	
	Loss on ignition	DIN 52 911	[%]	17	
	Decrease in thickness	24h/1000 °C	[%]	7.5	
	Shrinkage by surface	24h/1000 °C	longitudinal	[%]	≤ 2
			transvers	[%]	≤ 2
	Heat conduct. at 400 °C average		[W/(m·K)]	0.12	

* = Mode (typical value)

Issue: 12.08

Modifications: 5

Supersedes all prior versions

The technical data stated has been determined with standard material under laboratory conditions. With the variety of installation and operating conditions no guarantee claim can be inferred regarding the behaviour in a specific application.

We reserve the right to product changes which serve the purpose of technical progress.