

isoplan[®] VARIO

Material profile:

- Insulation material on the basis of ceramic fibres, which stands out for its high temperature limits, its low heat conductivity and its good mechanical properties and is highly suitable for the use in the metal industry.

Typical applications:

- Especially suitable for equipping transport rollers for steel production with high temperatures involved
- Sealing of chills in centrifugal casting

Supply data:

- Sheet sizes in mm: 1000x1000
- Thickness in mm: 2.0 / 5.0
- Special sheet sizes upon request
- Other thicknesses upon request

General data	Binder:	organic		
	Colour:	grey with green honeycomb brand		
	Temperature limit:	1200 °C		
	Tolerance in thickness:	± 10 %		
Physical properties (sample thicken. 5.0 mm)	Property	Standard	Unity	Value *
	Density	DIN 28 090-2	[g/cm ³]	0.90
	Tensile strength	DIN 52 910		
			longitudinal	[N/mm ²]
		transverse	[N/mm ²]	2
	Compressibility	ASTM F 36 K	[%]	≤ 25
	Recovery	ASTM F 36 K	[%]	≥ 40
	Loss on ignition	DIN 52 911	[%]	14
	Decrease in thickness	6h/1200 °C	[%]	≤ 20
	Shrinkage by surface	6h/1200 °C		
longitudinal			[%]	≤ 10
	transverse	[%]	≤ 12	

* = Mode (typical value)

Issue: 12.08

Modifications: 6

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.