

## isoplan<sup>®</sup> SR - Steel Roller 03074

### Material profile:

- Mixture of fibers and temperatureresistant fillers
- Constant and low shrinkage in the critical range between 900-1200 °C

### Typical applications:

- Especially suitable for equipping transport rollers for steel production with high temperatures involved up to 1250 °C

### Supply data:

- Sheet sizes in mm: 1000x1000 / 1000x2000
- Thickness in mm: 5.0
- Special sheet sizes upon request
- Other thicknesses upon request

General data	Colour:	light grey with green honeycomb brand			
	Temperature limit:	1250 °C			
	Tolerance in thickness:	± 10 %			
Physical properties (sample thicken. 5.0 mm)	Property	Standard	Unity	Value *	
	Density	DIN 28 090-2	[g/cm <sup>3</sup> ]	0.95	
	Tensile strength	DIN 52 910	longitudinal	[N/mm <sup>2</sup> ]	4
			transverse	[N/mm <sup>2</sup> ]	2
	Compressibility	ASTM F 36 K	[%]	11	
	Recovery	ASTM F 36 K	[%]	59	
	Loss on ignition	DIN 52 911	[%]	13	
	Decrease in thickness	6h/1200 °C	[%]	6	
	Shrinkage by surface	6h/1200 °C	longitudinal	[%]	1
			transverse	[%]	1
	Decrease in thickness	6h/1300 °C	[%]	17	
	Shrinkage by surface	6h/1300 °C	longitudinal	[%]	1.5
			transverse	[%]	1.5

\* = Mode (typical value)

Issue: 06.11

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.