

CALCON BOARD 1100-SC

Mechanical Properties

Bulk Density (EN 1094-4) ($\pm 10\%$)	kg/m ³	255
Open Porosity (in acc. to EN 1094-4)	%	90
Compressive Strength (EN 1094-5)	MPa	1,6

Thermal Properties

Service temperature	°C	1100
Change in dimensions on heating (EN 1094-6)		
Length-width	%	-1,5
	@ °C	1050
Thermal Conductivity (EN 993-14)	@ 400°C	W/(mK) 0,12
	@ 600°C	W/(mK) 0,14
	@ 800°C	W/(mK) 0,17
Specific heat capacity	kJ/(kgK)	0,8 – 1,2
Coefficient of thermal expansion 20°C – 700°C	K ⁻¹	5,5x10 ⁻⁶

Chemical Properties

Chemical analysis, typical (%)	CaO	46-47
	SiO ₂	44-45
	Al ₂ O ₃	0,2
	Fe ₂ O ₃	0,1
	MgO	0,5
	ZrO ₂	-
	Na ₂ O + K ₂ O	0,2
	Loss on ignition (L.O.I.)	8

Dimensions

Standard sizes (mm)

Length	500,1000
Width	1250
Thickness	25 through 100
Maximum sizes up to (length/width/thickness)	3000/1250/110

Dimensional tolerances

Length	± 5 mm
Width	± 3 mm
Thickness	± 2 mm

These values are tested in accordance with the standards. They represent typical average values, but are subject to variations of raw materials and production variances. We are not liable for damages, connected with the use of our products. Misprints and errors excepted.