CALCON BOARD 1000-SC

Mechanical Properties

Bulk Density (EN 1094-4) (±10%)	kg/m³	255
Open Porosity (in acc. to EN 1094-4)	%	90
Compressive Strength (FN 1094-5)	MPa	1.6

Thermal Properties

Service temperature	°C		1000
Change in dimensions on heating (EN 1094-6)			
Length-width	%		-1,7
	@ °C		1000
Thermal Conductivity (EN 993-14)	@ 400°C	W/(mK)	0,12
	@ 600°C	W/(mK)	0,15
	@ 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

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Chemical analysis, typical (%)	CaO	46-47
	SiO ₂	44-45
	Al_2O_3	0,2
	Fe_2O_3	0,1
	MgO	0,5
	ZrO_2	-
	$Na_2O + K_2O$	0,2

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Loss on ignition (L.O.I.)

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CALCON BOARD 1000-SC

Dimensions

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Standard sizes (mm)

 Length
 500,1000

 Width
 1250

 Thickness
 25 through 100

Dimensional tolerances

Maximum sizes up to (length/width/thickness)

 $\begin{array}{ccc} \text{Length} & & \pm 5 \text{ mm} \\ \text{Width} & & \pm 3 \text{ mm} \\ \text{Thickness} & & \pm 2 \text{ mm} \end{array}$

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.

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