

Duratec® 1000

Properties	Units	Typical Value
Classification temperature	°C	1000
Density	g/cm ³	1.4
Cold compressive strength	N/mm ²	31
Bending strength	N/mm ²	16
Shrinkage @ 750 °C, 12 h	%	0.15
Thermal conductivity @ 200 °C	W/mK	0.332
Thermal conductivity @ 750 °C	W/mK	0.264
Specific heat capacity	kJ/kg K	1.04
Reversible thermal expansion	m/m K	6.4 x 10 ⁻⁶
Flatwise electrical strength	kV/m	4700
Comparative tracking index	CTI-value	600
Arc Resistance, stage 40	s	>420
LOI	%	5.3

Product discription:

Duratec® 1000 is calcium silicate board made in a density range from 1400 to 1800 kg/m³. Duratec® 1000 is a machinable engineering material with good thermal stability and electrical insulation properties

Availability:

Duratec® 1000 can be delivered as sheet cut-offs and finished parts.

- Max. sheet dimension 1220 x 1500 mm
- Thickness 6 – 10 – 15 – 20 – 25 mm