

Duratec® 1000

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.

Properties	Units	
Compressive strength (cold)	MPa	31
Bending strength	MPa	16
Electrical strength (flatwise)	KV/m	4700
Arc resistance, stage 40	S	>420
Shrinkage @ 750 °C, 12 h	%	0,15
Thermal Conductivity	W/m K @ 200°C	0,332
	W/m K @ 400°C	0,339
	W/m K @ 600°C	0,317
	W/m K @ 750°C	0,264
Specific heat capacity	kJ/kg K	1,04
Reversible thermal expansion	m/m K	6,4 * 10 ⁻⁶
Comparative tracking index	CTI-value	600
Classification temperature	°C	1000
Density	g/cm ³	1,4
LOI	%	5,3
Colour	-	White

Availability:

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

Sheet: Size: 1220 x 2520 mm
 Thickness: 12, 15, 20, 25, 50 mm

Parts: Finished products conform drawing