

C-therm 65100: Glass mat and cement composite specially design for thermal protection purposes.

Application

Insulation for presses, inductive furnaces, thermal machined insulator parts, insulation of die-casting machines and presses, glass industry, cast rubber molds...

▶ Asbestos free

▶ Low heat conductivity

▶ Excellent tolerance with respect to parallelism

▶ Easy to machine

▶ Long life expectancy

▶ Good hydrocarbon stability

▶ Good chemical stability

▶ Good mechanical durability

▶ Very good electrical properties

	Value	Test norm	
Mechanical properties			
Flexural strength	Mpa	23	ISO 178
Compressive strength at 200°C, Flatwise	MPa	70	ISO 604
Compressive strength at 23°C	Mpa	80	ISO 604
Thermal properties			
Thermal conductivity	W/m.K	0.40	DIN 52612
Coefficient of linear expansion	1.0E-6 / K	10	
Heat resistance	°C	500	
Maxium heat resistance (for shorts periods)	°C	900	
Physical properties			
Density	g/cm ³	1.9	ISO 1183
Water absorption 24h 23°C	%	10	ISO 62
Electrical properties			
Flatwise electrical strenght	kV/mm	1	IEC 60243-1

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