

Electrical spark quenching chamber ceramic plates ST.100CZ-DR.110CZ

TECHNICAL CHARACTERISTICS:

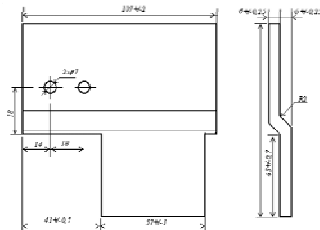
Electroinsulating ceramic material based on compact cordierite CER-410.

TECHNICAL CHARACTERISTICS	Ceramic type CER 410
Apparent porosity (%), (max.)	0.5
Apparent density (g/cm ³), (min.)	2.1
Bending strenght (N/mm ²)	
- non-frosted, (min.)	50
- frosted	60
Thermal extension 10 ⁻⁶ /K	
- 30 - 100 °C	1 ... 3
- 30 - 300 °C	1 ... 3
- 30 - 600 °C (max)	2 ... 4
Caloric efficiency 30 - 100 °C (J kg ⁻¹ K ⁻¹)	800 ... 1200
Thermal conductivity 30 - 100 °C (W m ⁻¹ K ⁻¹)	1.2 ... 2.5
Thermal shock strenght (min.), (K)	250
Resistance to sparking (min.), (kV mm ⁻¹)	10
Dielectric strenght (kV)	15
Volume electric resistance CC, (m)	
- at 100 °C (min)	10 ¹⁰
- at 200 °C (min)	10 ⁶
- at 600 °C (min)	10 ³

APPLICATIONS:

Controller closing switch of subway wagons.

Ceramic plate Dr. 110 Cz (3.734.110)



Ceramic plate St. 100 Cz (3.734.100)

