

Synthetic Cordierite 合成堇青石

SS-200

➤ Chemical and Analytical Data

Typical mean values. These do not represent a specification.

Item	Unit	SS-200	
SiO ₂	% (references)	49.89	
Al ₂ O ₃		36.07	
Fe ₂ O ₃		0.12	
TiO ₂		0.09	
CaO		0.16	
MgO		13.11	
K ₂ O		0.23	
Na ₂ O		0.13	
Li ₂ O		-	
BaO		-	
Ig. Loss		0.20	
Average Particle Size 平均粒度		μm	7
Sintering Temperature 燒成溫度		°C	1450
Color 顏色		White	
Apparent Density 視比重	g/cc	2.6	
Apparent Porosity 視孔隙度	%	0	
Water Absorption 吸水率	%	0	
Bending Strength 彎曲強度	MPa	150	
Compressible Strength 壓縮強度	GPa	-	
Fracture Toughness 破壞韌性	MPam ^{1/2}	1 ~ 1.5	
Thermal Expansion Coefficient 熱膨脹係數	x 10 ⁻⁶ (700°C)	1.7	
Thermal Conductivity 熱傳導率	w/m · k	4	
Specific Heat 比熱	J/(g · k)	0.71	
Thermal Shock Resistance 熱衝擊阻抗	°C	400	
Volume Resistivity 體積電阻率	Ω · Cm	>10 ¹⁴	
Permittivity 介電常數	1MHZ	4.9	
Dissipation Factor 耗散因子	1MHZ	9x10 ⁻⁴	
Te Value Te 值	°C	-	
Breakdown Voltage 崩潰電壓	KV/mm	19.1	

➤ **Package:** 20kg paper bag.

Country of Origin: Japan