

DATA SHEET

50110300 CARBORUNDUM G 500 13 Micras

16/01/2025 v1.2

1. PRODUCT IDENTIFICATION

Description	CARBORUNDUM. CSi.		
	Grain	500	
	Density (g/cm ³)	0.87-1.00	
	Ref. APS (microns)	13	
	Range (microns)	5.5-31	

Application It is a material of synthetic origin, which fundamentally joins to the abrasive and refractory bodies. There possesses great resistance to the thermal shock, which makes it very useful to make auxiliary pieces of the kilns.
Mixed in small quantities with the glazes we can obtain conditions of reduction located, in atmosphere oxidizer, for example, there can be obtained by him red specks of reducing copper, after the addition of 2-3 % in glazes that have copper.

2. CHEMICAL COMPOSITION Metal oxides with concentrations less than 0.05% have not been determined.

Li ₂ O	ZnO	Cr ₂ O ₃	CaF ₂
Na ₂ O	MnO	B ₂ O ₃	Bi ₂ O ₃
K ₂ O	CdO	V ₂ O ₅	P ₂ O ₅
MgO	CoO	MnO ₂	BeO
CaO	NiO	SiO ₂ 0,5	CeO ₂
SrO	Al ₂ O ₃	TiO ₂	CuO
BaO	Fe ₂ O ₃	ZrO ₂	Pr ₂ O ₃
PbO	Sb ₂ O ₃	SnO ₂	

3 PHYSICAL-CHEMICAL PROPERTIES

Aspect **Black/grey powder**
Color(fired)

4. COLORIMETRY * By Minolta ChromaControl (S)

L: n.a. a: n.a. b: n.a.

5. DILATOMETRY * Data obtained with dilatometer BÄHR mod. DIL 801 L 10^{-7} C^{-1}

(25-300)C°	(50-300)C°	(300-500)C°	(500-600)C°	T ^a Transformation	T ^a Softening	Melting point
				C°	C°	>2100 C°

6. GRANULOMETRIC DISTRIBUTION (WET WAY) * Data obtained by Malvern Instruments (Master Sizer 2000)

>10µ >25µ >40µ >70µ >120µ D50µ

7. RECOMMENDATIONS ON GLAZED OBJECTS INTENDED FOR CULINARY USE

Raw material .

Notes: n.a (not applicable), n.d (no information available), p.n (negative tests)

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