DATA SHEET

50110200 CARBORUNDUM G 220 63 Micras 16/01/2025 v1.2

1. PRODUCT IDENTIFICATION

Description

CARBORUNDUM. CSi.
Grain 220
Density (g/cm3) 1.26-1.36
Ref. APS (microns) 63
Range (microns) 53-75

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_2O		ZnO		Cr_2O_3		CaF_2	
Na_2O		MnO		B_2O_3		Bi_2O_3	
K_2O		CdO		V_2O_5		P_2O_5	
MgO		CoO		MnO_2		BeO	
CaO	0,02	NiO		SiO_2	0,4	CeO_2	
SrO		Al_2O_3	0,05	TiO_2		CuO	
BaO		Fe_2O_3	0,07	ZrO_2		Pr_2O_3	
PbO		Sb_2O_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°	Tª Transformation	Tª Softening	Melting point
				Cº	Cº	>2100 Cº

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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