



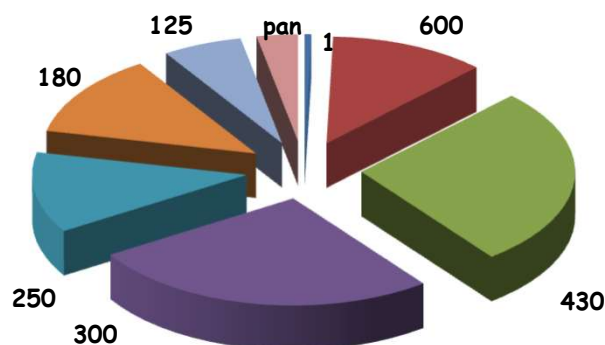
PRODUCT DATA SHEET

COMPANY WITH
QUALITY SYSTEM
CERTIFIED BY DNV GL
= ISO 9001 =

CODE	9102
NAME	Zeta/2
DESCRIPTION	Atomized neutral base for extruded porcelain stoneware

PARTICLE SIZE DISTRIBUTION

sieve opening	residual
1 mm	0,5%
600 μm	11,9%
430 μm	27,2%
300 μm	26,6%
250 μm	12,2%
180 μm	12,5%
125 μm	6,0%
pan	3,1%



PROPERTIES BEFORE FIRING

Forming pressure	400 Kg/cm ²	Modulus of rupture of green body	10 Kg/cm ²
Linear expansion after pressing	0,54%	Modulus of rupture of dried body	40 Kg/cm ²
Moisture of atomised	5,7%	Specific surface M.B.I.	48 m ² /g

PROPERTIES AFTER FIRING ¹

Thermal work of kiln ²	1135 °C
Linear shrinkage	6,3%
Water absorption	0,08%
Loss on ignition	5,2%
Modulus of rupture of fired body	510 Kg/cm ²
Linear expansion coeff. 20-400°C ³	71 x 10 ⁻⁷ °K ⁻¹

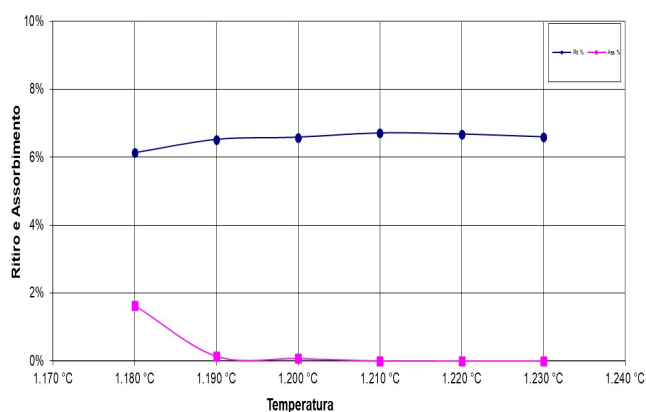
Colorimetric values ⁴

L* (white)	71
a* (red-green)	2
b* (yellow-blue)	12
Fired colour approx.	Ivory

CHEMICAL ANALYSIS

SiO ₂	65%
Al ₂ O ₃	20%
Fe ₂ O ₃	1,0%
TiO ₂	0,6%
CaO	0,8%
MgO	0,6%
Na ₂ O	4,2%
K ₂ O	1,6%
C tot	0,22%
S tot	0,02%
I.o.i.	5,2%

GREIFICATION DIAGRAM



Notes:

- ¹ Samples are fired in laboratory kiln of 3,6 m.
- ² Measured with BULLER ring fired on a refractory tile of 25x30 cm.
- ³ 10°C/min. gradient.
- ⁴ Illuminant/Observer = D65/10°. ColorQUEST Sphere: Stdz Mode: RSIN.

The data mentioned are average values obtained from production and laboratory controls

October 2024