

PC010B

FIRING TEMPERATURE	1220°C ox. / 1280°C red.
FIRING COLOUR	White
FORM OF DELIVERY	Spray dried granulate

TYPICAL PROPERTIES

CHEMICAL ANALYSIS - Fired basis (mass %)

SiO ₂	65.9
Al ₂ O ₃	27.2
TiO ₂	0.14
Fe ₂ O ₃	0.60
MgO	0.54
CaO	0.70
Na ₂ O	1.06
K ₂ O	3.63
L.O.I. 1000°C	7.5

PHYSICAL PROPERTIES

Moisture content (%)	5.0
LASER Particule size – Laser Mastersizer 2000 – D50% (µm)	6.9
Wet screening > 0.063 mm (mass %)	0.3

CASTING DATA

Slip density (g/l)	1720
Deflocculant demand*: Dolaflox B11 (mass %)	0.02
Casting rate : Wall thickness after 10 minutes (mm)	3.3 [+/- 0.5]

*Demand of deflocculant depends on water quality

CERAMIC PROPERTIES casted bars

Modulus of Rupture 110°C (MPa)	1.9
Drying Shrinkage 110°C (%)	1.7
Firing cycle : 1220°C Oxidizing	
Firing Shrinkage (%)	10.0 [+/- 0.5]
Total Shrinkage (%)	11.7
Water absorption (%)	<0.20
Fired Bending Strength (MPa)	85
Colour (CIELab, D65/10°)	
	L 84.56
	a* 0.49
	b* 8.13
Thermal Expansion (x10 ⁻⁷ K ⁻¹):	62

STANDARD PACKAGING : big bags on pallets / 25 kg bags

These values do not represent a specification. The data quoted are determined by the use of Imerys Standard Test Methods, copies of which will be supplied on request. Every precaution is taken in production to ensure the products conform to our published data. Since the products are based on naturally occurring materials, we reserve the right to change these data should it become necessary. Sales are in accordance with our "Conditions of Sale", copies of which will be supplied on request.

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