

# Technical Data Sheet

## FT PC010B 09

17. January 2006

This version replaced all preceding versions

KPCL is a business name of IMERYS Minerals Ltd

The data quoted are determined by the use of Imerys Tableware Standard Test Methods. 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 Sales", copies of which will be supplied on request.

NB: all these data are average values

### Body type

### Technique of employment

### Firing temperature

### Firing colour

## PRODUCT SPECIFICATION

### Form of delivery

**Bulk density** (kg/m<sup>3</sup>):  
*Imerys Tableware method*

**Moisture Content** (mass%):

**Chemical composition** - fired basis - (mass%):

SiO<sub>2</sub>  
Al<sub>2</sub>O<sub>3</sub>  
TiO<sub>2</sub>  
Fe<sub>2</sub>O<sub>3</sub>  
MgO  
CaO  
Na<sub>2</sub>O  
K<sub>2</sub>O

Loss on ignition / L.O.I. 1000°C

**Mean Diameter** D50% (µm)

**Residue on sieve** ( mass% )  
- wet screening >0,063 mm -

### Deflocculation

slip density ( g / l )  
deflocculant addition (mass% solid) :

-  
- DOLAFLUX B

*The demand of deflocculant and water is dependend on the quality of the water being used for preparation of the slip.*

**Casting rate** / Time 10 min / Wall thickness (mm)

### Ceramic properties

pressed bars (300 bars), firing 1280°C/red- 7 hrs  
3-point bending strength

**Modulus of Rupture** - dried 110 °C (MPa):

**Fired Bending Strength** (MPa):

**Firing shrinkage** ( % )

**Firing colour:** ( CIELAB ), D65/10°

L\* Lightness  
a\* +red / -green  
b\* +yellow / -blue

### Packing

### Porcelain

### Casting

1220 °C / Ox. -1280°C Red.

### White

### VALUE

### Spraydried powder

5

66.34  
26,60  
0,15  
0,72  
1,06  
1,42  
3,29  
0,16

7,6

7,8

0,3

1710

0,02

3,5

1,5

75

10,2 [±0,5]

85,00  
0,45  
8,02

In big bags on pallets

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