

Technical Data Sheet
 FT PC010B 08

14. January 2003

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/m³):
Imerys Tableware method

Moisture Content (mass%):

Chemical composition - fired basis - (mass%):

SiO ₂	66,34
Al ₂ O ₃	26,6
TiO ₂	0,15
Fe ₂ O ₃	0,72
MgO	1,06
CaO	1,42
Na ₂ O	3,29
K ₂ O	0,16

Loss on ignition / L.O.I. 1000°C

Mean Diameter D50% (µm) *Laser*

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

Deflocculation

slip density (g / l)
 deflocculant addition (mass% solid) :
 - Dolaflox B
 - Formsil D
The demand of deflocculant and water is depend on the quality of the water being used for preparation of the slip.

Casting rate / Time 10 min / Wall thickness (mm) 3,8 [± 0,5]

Ceramic properties

extruded bars, dried 110°C, fast firing 1280°C, 4 hrs, 3-point bending strength

Modulus of Rupture - dried 110 °C (MPa): 3,7

Fired Bending Strength (MPa): 95

Drying shrinkage (%) 10 [±0,5]

Firing shrinkage (%) 12,8

Firing colour: (CIELAB) , D65/10°

L* Lightness 85
 a* +red / -green 0,45
 b* +yellow / -blue 8,02

Packing**Porcelain****Casting**

1220 - 1280°C red. / ox.

White**VALUE****Spraydried Powder**

5 [±1,0]

66,34
 26,6
 0,15
 0,72
 1,06
 1,42
 3,29
 0,16

7,6

7,8

0,2

1710

0,02

3,8 [± 0,5]

3,7

95

10 [±0,5]

12,8

85

0,45

8,02

In big bags on pallets

IMERYS Tableware Offices:

France
 1, rue Jeanne d'Albret
 FR-87700 Aix sur Vienne

Tél: +33 (0) 555 70 28 68
 Fax: +33 (0) 555 70 37 34
 tableware.france@imerys.co

Germany
 Ludwigsmühle 1
 95100 Selb

Tel: +49 (0) 9287-73 1312
 Fax: +49 (0) 9287-73 1313
 tableware.germany@imerys.com

UK
 Shelton New Road
 Cliffe Vale
 Stoke-on-Trent
 Staffordshire ST4 7AR

Tel: +44 (0) 1782 7486 16
 Fax: +44 (0) 1782 7486 11
 tableware.uk@imerys.com

New Zealand
 14 Bentinck Street
 Private Bag 93007
 New Lynn, Auckland

Tel: +64 (0) 9 827 6095
 Fax: +64 (0) 9 827 3134
 tableware.asia@imerys.com

Thailand
 21/F Le Concorde Office Tower
 202 Ratchadapisek Road,
 Huai Khwang, BKK 10320
 Thailand

Tel: +66 (0) 2 6950 999
 Fax: +66(0) 2 6950 901
 tableware.thailand@imerys.com

Portugal
 Rue da Estrada Nr 439
 Crestins - Apartado 3001
 4471-907 Moreira da Maia

Tel: +351 (0) 22 947 90 70
 Fax: +351(0) 22 947 89 71
 tableware.portugal@imerys.com