

Technical Data Sheet
DB1006 PM402B 03
11. 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/m³):
Imerys Tableware method

Moisture Content (mass%):

Chemical composition - fired basis - (mass%):

SiO ₂	69,7
Al ₂ O ₃	23,4
TiO ₂	0,08
Fe ₂ O ₃	0,48
MgO	0,60
CaO	0,68
Na ₂ O	0,20
K ₂ O	4,42
Loss on ignition / L.O.I. 1000°C	6,80

Mean Diameter D50% (µm) *Sedigraph 5100*

Porcelain

Jiggering / Casting

1240 - 1260 °C ox.

white

VALUE

Spray-dried / Pug roll

900
3,0 [± 1,0]

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Deflocculation

slip density (g / l)
deflocculant addition (mass% solid) :
- Gießfix W 162/10
- Formsil D

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

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

Ceramic properties

*extruded bars, dried 110°C, fast firing 1400°C, 4 hrs
3-point bending strength*

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

Fired Bending Strength (MPa):

Drying shrinkage (%)

Firing shrinkage (%)

Firing colour: (CIELAB), C/2°

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

Packing

6,4
0,9
1740
0,07
0,015

3,6

2,1

65

5,0

9,9 [± 0,5]

85,0

- 1,8

3,2

in silo trucks or big bags on pallets
in paper bags à 25kg on pallets
pug rolls on pallets

QUALITÄTSMANAGEMENTSYSTEM
zertifiziert nach DIN EN ISO 9 0 01



Reg.-Nr.90011